

AMERICAN NURSERYMAN

The Nurseryman's Forte: To Make America More Beautiful and Fruitful

NOVEMBER 15, 1960



Abies Nephrolepis

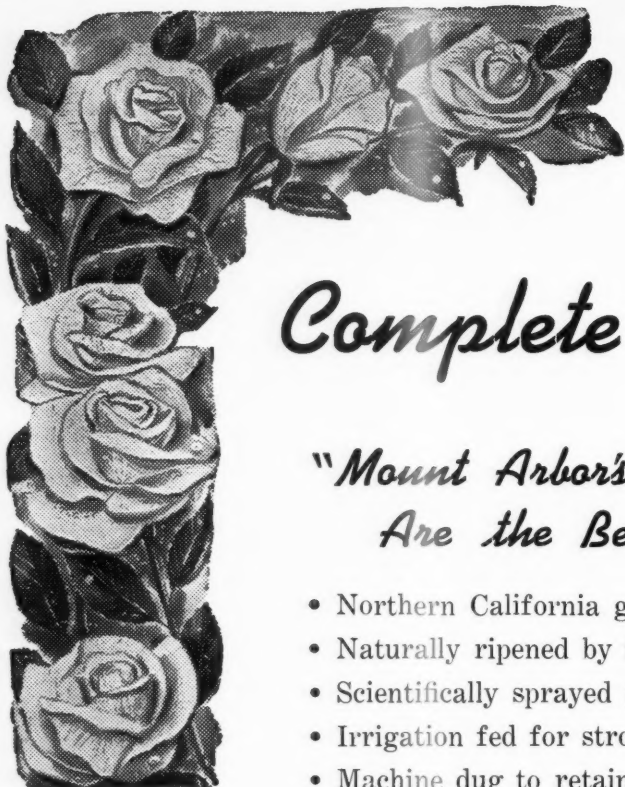
SEEDS TREE—SHRUB—PERENNIAL
FLOWER—GRASS—VEGETABLE

HERBST BROTHERS

SEEDSMEN, INC.

678 Broadway, New York 12, N. Y.

Correspondence with seed collectors and growers invited. Free catalog "Seeds for Nurserymen."



Buy Roses of Quality for Complete Satisfaction!

*"Mount Arbor's Certified Quality Roses
Are the Best Money Can Buy"*

- Northern California grown.
- Naturally ripened by frost before they are dug.
- Scientifically sprayed regularly for healthy development.
- Irrigation fed for strong root and top development.
- Machine dug to retain good roots.
- Transported to storage under refrigeration.
- Held in the most modern cold storage for delivery when you want them.
- Graded generously to A. A. N. standards.
- Guaranteed true-to-name varieties, disease and insect free.

OVER 130 VARIETIES FROM WHICH TO CHOOSE —

Including 1961 Winners DUET and PINK PARFAIT.

Hybrid Teas, Grandifloras, Climbers, Floribundas, Rugosas.

NEW SERVICES TO OUR CUSTOMERS

If requested with your order, we will supply without charge, copper-wired printed wood labels for each nonpatented rose purchased from us. Large 4-color display pictures of most varieties of roses purchased from us will be supplied at cost. Ask our salesman or write us.

CONSULT OUR REPRESENTATIVE OR WRITE FOR
OUR LATEST WHOLESALE PRICES

One of America's Foremost Nurseries



ESTABLISHED 1875

Mount Arbor Nurseries

• SHENANDOAH IOWA •

AMERICAN NURSERYMAN

[Registered U. S. Patent Office]

The Nurseryman's Forte: To Make America More Beautiful and Fruitful

VOL. CXII, NO. 10

NOVEMBER 15, 1960

Founded 1904

With which was merged 1939

THE NATIONAL NURSERYMAN

Established 1893



Published on the
first and fifteenth
of each month by the
AMERICAN NURSERYMAN
PUBLISHING COMPANY
343 South Dearborn Street,
Chicago 4, Illinois
Telephone: WAbash 2-9011



Subscription Price:
\$5.00 per year;
Outside U. S. A., \$6.00;
Single copies, 25c.
Second-class postage
paid at Chicago, Ill.



Advertising Rates
On Application.
For Closing Dates
See Next Page.



Eastern Representative
Vincent Vuoto
225 West 34th Street, Room 2218
New York 1, New York
Telephone: CHickering 4-6468

Pacific Coast Representative
Richard B. Kilner
465 California Street
San Francisco 4, California
Telephone: YUkon 2-9030

CONTENTS

Plant Propagators' First Western Regional Meeting in California . . .	7
By P. A. Barker and D. Kester	
Marketing in the Nursery Business	9
Reported by Fred H. Kilner	
Black Spot Yields to New Sprays for Roses	10
By Dr. E. W. Lyle	
Texans Stage Annual Rose Spectacular	11
By Joan Kilner Mills	
Modern Advances in Growing America's Favorite—the Rose	12
By Joan Kilner Mills	
Wetwood Disease of Elm and Its Treatment	13
By Dr. J. C. Carter	
Many Uses for Fine-Textured Plants	14
By Clarence E. Lewis	
Garden Center with Eight Sides	16
By Richard B. Kilner	
Plant Notes Here and There	70
By C. W. Wood	

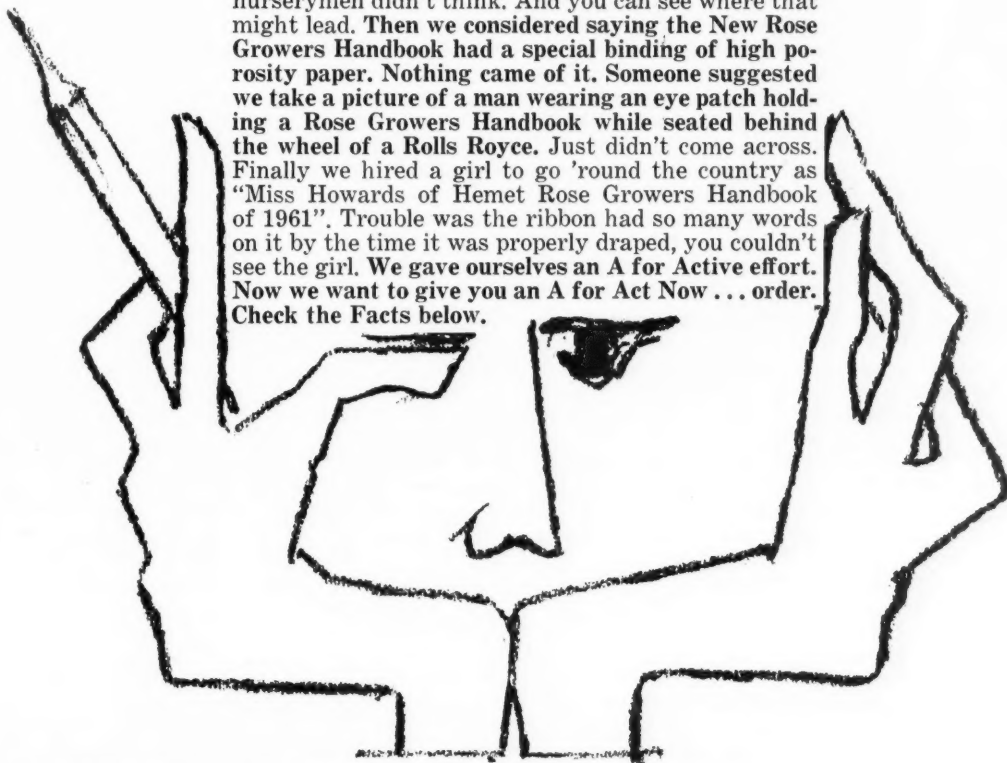


Editorial	6	Prices and Profits	46
—Prevent Winter Injury	6	—Price-Cost Squeeze	46
—Incentives	6	Cover Illustration	48
—Insects and Trees	6	—Abies Nephrolepis	48
Whirlpool Corp. in Michigan Wins Landscape Award	9	This Business of Ours	56
Obituary	18	—Landscape Renewals	56
—Hugh Evans	18	Estate Planning, Varied Problems, Topics Discussed on Long Island	58
—Hollis Milton Gray	18	Three New Pears	85
—Herbert F. Clarke	18	Pacific Coast News	86
Coming Events	24	—Peninsula Chapter	86
—Meeting Calendar	24	—Xmas Tree Growers Meet	86
—Propagators' Agenda	25	—California Arborists	86
—Wisconsin Details	30	—Propose Tree Ordinance	88
—Lake County News	34	—Oregon Directors Discuss Convention Plans	88
—Colorado Short Course	34	—Oregon Notes	89
—Tennessee Convention	34	—California Notes	99
A. A. N. Announces "Plant America" Award Winners of 1960 Contest	36	Educational Program on Herbi- cides	103
Gardens at State Fair	44	Trading Brisk at Florida Show . .	116

NC

XUM

Couple of months ago, we began noodling with the problem of how to tell you about the New Rose Growers Handbook of 1961. Bigger problem than you might think. Can't just say, Hey, it's here! We thought about saying the New Rose Growers Handbook was a "thinking" retail nurseryman's Handbook, only we were afraid someone might think WE thought some nurserymen didn't think. And you can see where that might lead. Then we considered saying the New Rose Growers Handbook had a special binding of high porosity paper. Nothing came of it. Someone suggested we take a picture of a man wearing an eye patch holding a Rose Growers Handbook while seated behind the wheel of a Rolls Royce. Just didn't come across. Finally we hired a girl to go 'round the country as "Miss Howards of Hemet Rose Growers Handbook of 1961". Trouble was the ribbon had so many words on it by the time it was properly draped, you couldn't see the girl. We gave ourselves an A for Active effort. Now we want to give you an A for Act Now . . . order. Check the Facts below.



OFFER ROSE GROWERS HANDBOOKS FREE to your customers and WATCH THE SMILES SPREAD...THE SALES CLIMB.

The Facts: "Tricks With Roses" . . . Eighth Edition of Rose Growers Handbook is ALL NEW. FEATURING Tips on Professional Planting and Care, Floral Arranging, Landscaping.

PLUS LOTS MORE HOW-TO INFORMATION.

Order the Rose Growers Handbook at actual printing cost . . . \$10 per 100. Available Jan. 1.

FREE WITH EACH ORDER

Point of Sale Rose Banner in 4 colors (17"x22")
Newspaper Mats
Plus the benefits of national advertising in leading flower and garden magazines.



Check the quantity you want:

- ☐ 100 — \$10.00
- ☐ 200 — \$20.00
- ☐ 300 — \$30.00
- ☐ 400 — \$40.00
- ☐ 500 — \$50.00

(Min. order 100). I understand they will cost only \$10 per 100 with free merchandising kit.

Name _____

Address _____

City _____

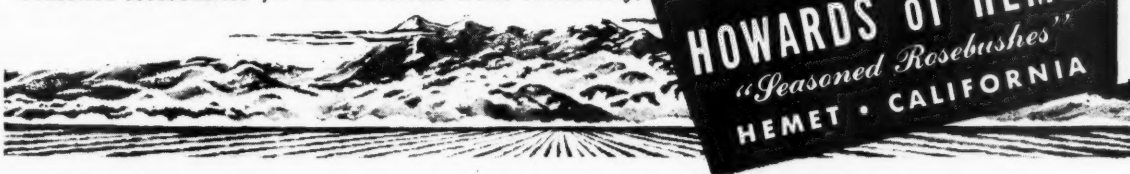
State _____

☐ Check Enclosed

☐ Charge My Account

LAST SEVEN EDITIONS SOLD OUT! SEND TODAY!

"Seasoned Rosebushes" for the wholesale trade exclusively.



AMERICAN NURSERYMAN

F. R. KILNER
Editor and Publisher

FRED H. KILNER
Managing Editor

I. G. MOORE
Associate Editor

C. A. BRADY, Jr.
Advertising Manager

Editorial

PREVENT WINTER INJURY

Winter injury to plants varies according to the character of the season, including the severity of cold, length of continuous low temperature, amount of snowfall, exposure to sun and wind, temperature and rainfall in the preceding autumn, early arrival of spring and other factors. Sometimes a combination of these renders it practically impossible to prevent injury, but some steps can be taken to obviate or lessen the degree of damage.

Native plants seldom suffer winter injury, though some types of damage may result from unusually severe storms or weather conditions. Plants from other areas and from foreign climes introduced into gardens are the sufferers. To the beginner or inexperienced gardener, the local nurseryman usually will sell only tried and reliable plants.

Persons more experienced, who seek new things for their gardens, usually are aware of the precautions they must take, such as mulching, watering, hilling up roses and like plants and providing screens and other protection from sun and wind.

Experienced nurserymen know that borderline plants in low ground, where they may be subject to "wet feet," are more liable to injury in severe winters than plants on higher ground. Wind-swept spots, on hilly ground or at the northwest house corner, should be planted with caution, because plants in those locations are more subject to the drying effect of winds. Evergreens standing in the open need to be provided with ample moisture. In a year of deficient rainfall, such as the present, special watering of many plants in advance of ground freezing is desirable, particularly of evergreens.

Plantings on the south side of buildings often require special care. Sunscald on some plants may result from bright sunshine on winter days. Even the reflected light and warmth

from masonry walls on some evergreens is deleterious. Trees and shrubs moved from shaded locations into the open may suffer bark damage. Spray materials recently introduced to prevent wilting or desiccation are said to be helpful in preventing sunburn.

Late fertilization in autumn may produce lush growth that is damaged when cold weather comes early; a shaded location may have the same effect. Late pruning is said sometimes to be a contributing factor.

The subject of hardiness in plants is a complex one, and books have been written about the various influences that contribute to or reduce winter injury. Most important are the selection of plants, proper planting sites and protective procedures such as those mentioned before, which are more or less familiar to experienced gardeners and nurserymen. A few words of caution on these subjects to most customers are well advised.

INCENTIVES

The desire to be considered important is an attribute which distinguishes man from the lower animals, according to psychologists. Every worker, consequently, wishes to receive recognition, if not compensation, for superior performance of his duties or a better output than his fellows.

In older days, it is said, the pride of craftsmanship produced the superior merit of products thought of as antiques today. But the machine has taken the place of handwork, and the assembly line has deprived the individual of a sense of responsibility for the finished product.

Hence, many ideas and practices have been advanced to provide incentives. Pay increases used to be more used before labor unions leveled the classifications of their members, but that prime incentive is effective in most white-collar jobs and in executive positions. Bonuses and payments for employees' suggestions have been introduced as substitutes and are effective until they are taken for granted.

Salesmen in many lines of endeavor compete for ratings, cash prizes, merchandise wares, points of one sort or another and diverse other forms of incentive. Sometimes the posted names of leaders or other indications of superiority are sufficient, like blue ribbons in a flower show.

The Mirror of the Trade

The prevalence of such a form of stimulus in many industries may be an indication of its success. The individual form must be adapted to the local environment and the type of business conducted. Sometimes a change from season to season is necessary, as in salesmen's contests. The problem is one that requires study, but if one hits on a useful answer, it is worthwhile.

INSECTS AND TREES

Studies of shade tree insects are necessarily spasmodic. Entomologists give their attention to outbreaks of particular pests as and when they are important. The occurrences seldom are of such wide observation as to allow comparative conclusions to be drawn in the current season.

One advantage of including trees on the campus with plantings elsewhere at Cornell University under the title of Cornell Plantations is that they serve many useful purposes, including the study of insects, as well as affording adornment to the area and enjoyment by persons there.

Recently an outbreak of lecanium scales infested trees there, as well as in other localities of the country. Infestation was severe on elms on one avenue, and there occurred the thought, rather widely expressed, that the use of DDT and other chemicals to combat the vectors of the Dutch elm disease had reduced or eliminated the parasites of scales and other insects. But the same infestations of lecanium occurred on oaks, London plane trees, Moraine locust and others, which had not received the sprays applied to the elms. So it must be concluded that the same favorable conditions for the development of scales on elms were responsible for those on the other species of trees, and vice versa.

The presence of the numerous infestations on various species of trees made possible application of several dosages of the standard scale control, malathion, and their application by mist blower and hydraulic machine. A low concentration of malathion applied by mist blower was found to be as effective as the standard treatment with a hydraulic sprayer.

The co-ordination of maintenance operations with regard to various plantings of trees in other localities should more speedily advance accurate knowledge of insects as they affect our shade trees.

Plant Propagators' First Western Regional Meeting In California

Full Program Features Symposiums
On Grafting and Mist Propagation

By P. A. Barker and D. Kester



Members of the committee that organized the recent conference of western plant propagators at Asilomar, at which the Western region of the Plant Propagators Society was formed: Left to right (foreground), Dale Kester, Jack Wick, Dennison Morey; (rear) Don Hartman, Phil Barker, Percy Everett, Dick Harris, Herman Sandkuhle and Bill Stuke.

About 120 miles south of San Francisco, the California coast forms a minor peninsula occupied in part by the city of Pacific Grove. Nearby is Asilomar, where, among the native Monterey pines and within hearing of the ocean waves that pound against the rocky shore, at least 150 persons gathered October 14 to 16 to attend a conference of western plant propagators. At the conclusion of this historic conference, those in attendance had organized the Plant Propagators Society, Western region; so named in anticipation of an ultimate affiliation with the Plant Propagators Society.

Officers Elected

Californians elected as officers for 1961 are Don J. Hartman, Leonard Coates Nurseries, Inc., San Jose, president; Herman Sandkuhle, Jr., Sunset Nursery Co., Oakland, vice-president, and Dr. Dale E. Kester, University of California at Davis, secretary-treasurer. Members of the executive committee are William Stuke, Stuke's Nursery, Gridley; Gerd Schneider, Saratoga Horticultural Foundation, Saratoga; Robert Lindquist, Howard Rose Co., Hemet, and Martin Usrey, Monrovia Nursery Co., Azusa.

Membership committee members are Percy Everett, Rancho Santa Ana Botanic Garden, Claremont, Calif., chairman; William Curtis, Wil-Chris Acres, Sherwood, Ore.; O. A. (Jolly) Batcheller, California State Polytechnic College, Pomona, Calif., and Philip A. Barker, University of California at Davis.

The address of welcome was delivered on Friday evening, October 14, by Don Hartman, who had served as general cochairman of the conference organizational committee. Mr. Hartman pointed out that the conference culminated an effort started more than two years ago when a few western members of the Plant Propagators Society surveyed at least 50 nurserymen of the western states and learned that they would be interested in becoming members of the Plant Propagators Society if annual meetings were also held in the western part of the United States.

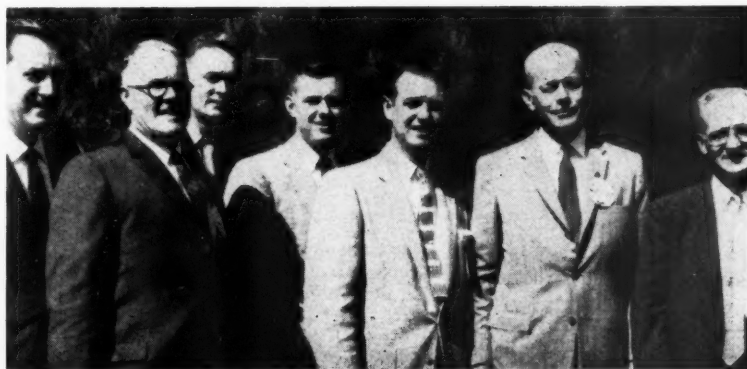
These findings were relayed to the officers of the Plant Propagators Society, and at its 1958 meeting the society authorized the formation of a western section. Ultimately, the

western member of the society's intersectional affairs committee, Dr. Hudson T. Hartmann, University of California at Davis, was advised to proceed with plans for organization.

Thereupon Dr. Hartmann invited the western members of the Plant Propagators Society and those nurserymen who had been surveyed in 1958 to meet with him at Davis June 24, 1960. The meeting was attended by 23 persons, at which time the organizational committee for the present conference was formed.

Selected to serve as general co-chairmen were Don J. Hartman and Dr. Hudson T. Hartmann, the latter announcing then that he would be on sabbatical leave in Australia from September, 1960, to June, 1961.

Mr. Hartman paid tribute to the 16 persons who had served with him



Officers and committee members of the Plant Propagators Society, which association helped initiate the western plant propagators' conference: Left to right, Hugh Steavenson, James Wells, Kenneth Reisch, John Mahlstedt, Don Hartman, Harvey Templeton and Dick Fillmore.



Participants in the symposium on mist propagation presented during the western plant propagators' conference: Left to right, William Curtis, Wil-Chris Acres, Sherwood, Ore.; James Wells, James S. Wells Nursery, Inc., Red Bank, N. J.; Robert Ticknor, Oregon State College, north Willamette branch experiment station, Aurora, Ore., and Martin Usrey, Monrovia Nursery Co., Azusa, Calif.

on the organizational committee. He commented that on at least four occasions, committee members had met for 6 to 8-hour sessions to formulate plans for the conference.

The conference program included four symposiums titled as follows: "Machine Grafting in Plant Propagation," "Principles and Current Techniques in Seed Propagation," "Propagation Techniques for Certain Plants" and "Mist Propagation with Emphasis on Hardening-off Practices."

Saturday morning, October 15, James Wells, James S. Wells Nursery, Inc., Red Bank, N. J., delivered the keynote address. He recalled the events that led to the formation of the Plant Propagators Society in 1951. The plant propagator, he said,

is the key man in an enormous industry that encompasses fruit production, production of florists' crops and landscape plants, and the manufacture and sale of all garden items.

Society of Craftsmen

He pointed out that the plant propagator remains as one of the few true craftsmen. He stressed that membership in the Plant Propagators Society should continue to have stringent requirements; that members should have extremely high standards of ethics, and that they should be willing to share with others and help the novice attain proficiency.

Mr. Wells noted that a person with little or no proficiency in plant propagation may qualify for junior

or nonvoting membership, with the possibility of becoming a voting member within five years.

Another highlight of the conference was a series of addresses presented Saturday evening by some of the officers and committee members of the Plant Propagators Society who had traveled from the east to attend the conference.

The society president, Harvey Templeton, Phytotektor, Winchester, Tenn., spoke about the value of the society to anyone whose vocation is the propagation of plants. Mr. Templeton pointed out that after graduation from college, he was a cotton merchant for 20 years before going into the nursery business. On going into the nursery business he was invited to become a junior member of the society and later was elevated to full membership. The Plant Propagators Society, he said, exemplifies an organization whose members gain by sharing.

The secretary-treasurer, Dr. Kenneth W. Reisch, Ohio State University, Columbus, described the categories of membership within the society and gave a breakdown of membership by states. He reported that the total membership of the society is in excess of 350, 19 of whom reside in the western states. These 19, he said, would automatically be made members of the Plant Propagators Society, Western region, if the proposed reorganization plan for the society is adopted.

The office of secretary-treasurer also stocks back copies of the annual proceedings, and Dr. Reisch invited anyone attending the conference to correspond with him if they wished to purchase any of these.

Editor's Duties

Dr. John P. Mahlstedt, Iowa State College, Ames, described his duties as editor for the society. These include editorial responsibility for the quarterly bulletin, the Plant Propagator, and preparation of each of the annual proceedings. The 1959 proceedings, which had just come off the press, is the largest that has been published, containing over 200 pages.

Hugh Steavenson, Forest Keeling Nursery, Elsberry, Mo., and Richard Fillmore, Duke University, Durham, N. C., attended the conference as members of the intersectional affairs committee of the society.

Mr. Fillmore reported that the Plant Propagators Society has repeatedly decided in favor of individual membership instead of firm membership, on the basis that the plant propagator is a skilled craftsman, who deserves the privilege of

[Continued on page 116]



Dr. Lloyd Lider (left), University of California, Davis, moderator of the propagators' symposium on machine grafting, shown with two of the symposium speakers, Dr. Curtis Alley (center), University of California, Davis, and Gordon Kershaw, Medford, Ore.

Marketing in the Nursery Business

Final Sessions at Sagamore Conference Point Up Pricing, Display Methods

Reported by Fred H. Kilner

The final subject, but the most interesting to the 55 nurserymen, at the A. A. N. management conference held at the Sagamore conference center in the Adirondacks, was that of marketing. Instructor for this session was Max E. Brunk, professor of marketing, department of agricultural economics, New York state college of agriculture, Cornell University, Ithaca, N. Y.

Professor Brunk stated that he had been engaged in marketing for 25 years and was the president of the Eastern Market Research Service, Inc., Ithaca, a firm he started for marketing research work. He related that marketing is a part of the total production process. Production and marketing, said Professor Brunk, are much intertwined. When production is started on a certain product, a market already is in mind.

The fundamental objective of marketing is to increase profits. Therefore, the emphasis in marketing is on sales—either relatively few sales with a high margin of profit or a maximum number of sales with a low margin of profit. The latter is most often sought after in our economy, he pointed out, though competition, to a great extent, sets the margin. Professor Brunk added that the self-employed person is gradually fading

out of the picture as the corporate enterprise becomes dominant.

Marketing Trends

Turning to trends in marketing, Professor Brunk stated that the first change came when the female shopper emerged into the forefront. He stated that, since the female shopper buys 73 per cent of the nursery products sold, her preferences should affect the sales approaches used by nursery clerks, the appeals in advertising, the shop decor and the services offered.

The second factor which has affected marketing is packaging. Last year, he said, only 60 to 65 years since the grocer made his own paper bags, \$12,000,000,000 was spent on packaging materials alone. In packaging food, \$5,000,000,000 was spent. In the past 15 years expenditures on packaging have doubled. The nursery industry, he said, is thinking of packaging too much as a protective device and not enough as a selling device.

Dwelling on his marketing research experience with dairy products, he stated that his organization was asked to find out in what packages eggs would sell best. First of all, eggs were packaged in cartons of different colors and it was found that the blue package sold a little better than the

others. When eggs were put in plastic cartons it was found that they sold even better.

The department store, appearing about 1896, and the 1-stop shopping center, an innovation of the 1940's, have also had their effect on marketing, as has the longer-established mail-order house. With regard to the last-named, Professor Brunk stated that nurserymen fail to look at their catalogs as stores and their mailing lists as the communities they serve. The final factors mentioned as affecting marketing were advertising and credit.

Turning to trends in marketing as they affect the nursery business, Professor Brunk stated that there are more homeowners in today's society and that married couples are becoming homeowners at a younger age. They all have a mortgage and are interested in low-cost landscaping. Kept at home by the lure of television, homeowners are becoming more interested in after-dinner gardening. They need garden help and advice, said Professor Brunk, and he suggested that more information should accompany nursery products, such as instructions on planting and caring for the plant.

In a survey conducted recently, the

[Continued on page 76]

ANNOUNCE WINNERS OF INDUSTRIAL AND INSTITUTIONAL LANDSCAPING CONTEST



One of the 1960 winners in the American Association of Nurserymen "Plant America" competition, all of which are listed elsewhere in this issue, is this landscape designed by Robert G. Hensler, M. J. Hunziker & Sons, Niles, Mich., for the administrative center of the Whirlpool Corp., St. Joseph Mich., home equipment manufacturer. The planting won a national award in the industrial class. With a grove of native beech, maple, dogwood and sassafras trees for a background, the building is enhanced by massed plantings of yews, with euonymus, pachysandra and vinca ground cover. Hawthorns and viburnums are used as espalier plants to highlight the entrance area of the structure, and many flowering crab apples accent the 10 acres of open lawn. Of particular note are the plantings about the identifying sign.

Black Spot Yields to New Sprays for Roses

By Dr. E. W. Lyle

Plant Pathologist, Texas Rose Research Foundation, Inc., Tyler, Tex.

When roses are grown in fields and gardens, the defoliating effect of black spot disease is a main problem throughout most of the United States. This trouble is increased by periods of frequent rainfall, especially during the warm summer months.

Premature defoliation influences the quality of rosebushes and their subsequent development and it even may lead to their death. Early loss of leaves may be followed by successive shedding of other new leaves which are developing. Growth may stop either gradually or quickly, and dieback and dead canes result, providing a weakened condition of the bushes.

Besides affecting the size of the plant, black spot, by lessening the vigor of the bush, often is responsible for small-size blooms, too. It may decrease the intensity of flower color and fragrance. And this disease may also lead to winterkilling due to lack of freeze resistance, which good, healthy bushes normally acquire.

Experiments during recent years by Texas Rose Research Foundation, Inc., Tyler, Tex., have proved the advantages of present-day spray fungicides over dust compounds for combating or preventing black spot. Previously, success was obtained in disease control only by starting the fungicide treatments early and striving to prevent initial infection. Now it is possible to check and control the disease even after it has appeared.

However, it still is best to keep

ahead of or to delay the beginning of the disease as long as possible. Good control of black spot can have an influence into the next year of production, giving better bud live during the propagation process as well as decreasing the occurrence of the disease in a new area.

Several Effective Fungicides

There are now at least five fungicides which have shown excellent control of black spot on roses. Among these are Dithane M-22 (manganese ethylene bisdithiocarbamate), Manzate (manganese ethylene bisdithiocarbamate), phaltan (N-trichloromethylthiophthalimide), captan (N-trichloromethylthio-4-cyclohexene-a, 2-dicarboximide) and Cyrex (N-dodecylguanidine acetate).

Dithane M-22 and Manzate are chemically the same compound, yet they have been found to differ to some degree, probably due to methods of manufacture. Phaltan is related to captan and largely has replaced captan in field spraying of roses. Phaltan is a more active material than captan, and less Phaltan is needed in rate of application.

Cyrex is so new that further trials should be made before using it extensively, but it is highly promising, considering the low dosage rate required. Cyrex has excellent spreading characteristics on rose foliage without the use of additional spreader compounds.

It also has shown systemic action,

as proved by action on the chlorophyll in the leaves without particular surface damage to the leaves. However, this systemic effect has not given a residual control of black spot comparable with that of the other compounds cited first.

The variety of rose selected for black spot control experiment was Floradora. It is especially susceptible to this disease and has been used in a number of other experiments of this kind, which have been reported previously. As indicated in earlier reports, the effectiveness of the fungicides for the over-all season may be determined by weight records of the bushes made at digging time.

This experiment then deals mainly with the results of several fungicide treatments and their influence on the weights of the bushes when dug January 28, 1960. It should be said again that, while size alone does not necessarily mean quality, in this particular case, quality was measured by size or weight, since other factors besides the fungicide treatment were essentially the same for the entire field area in the experiment.

Tabular Data

The entire field containing the block of Floradora was treated with sulphur-copper rose dust fungicide for seven applications (April 14 through June 3, 1959). The plots were then arranged, each three rows wide and 32 feet long, with about 90 bushes per plot. There were four randomized plots for each treatment, making a total of 56 plots in the block, plus the guard rows between the special treatments. The guard rows were given uniform spray treatments to serve as a barrier between one set of plots and another.

The first evidence of black spot was observed May 22, 1959, which

[Continued on page 100]

1959 FUNGICIDE EXPERIMENT ON FLORADORA ROSE

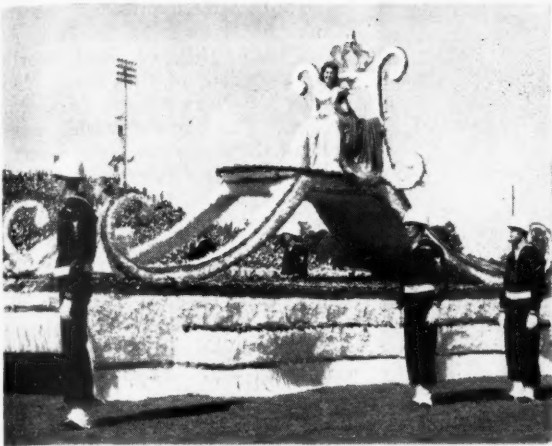
Treatments in order of effectiveness (Rate per 100 gallons)*	July 22 Black Spot Estimate %	January 28 Lbs. per 10 bushes Replicate				Average†	Increase over Check %
		1	2	3	4		
1. Dithane M-22 (0.75 lbs.) plus TSpSt**	1	7.7	9.9	7.3	8.4	8.31	98
2. Dithane M122 (1.5 lbs.) plus TSpSt	1	8.1	9.3	7.7	7.2	8.08	93
3. Dithane M-221 (1.0 lbs.) plus TSpSt	1	7.0	8.3	7.8	7.3	7.63	82
4. Phaltan (2.0 lbs.) plus Ortho S††	1	8.0	7.8	6.5	8.0	7.58	81
5. Manzate (1.5 lbs.) alternating with Phaltan (2.0 lbs.) plus TSpSt	1	7.9	7.4	7.6	7.3	7.58	81
6. Manzate (1.5 lbs.), no SpSt	3	7.0	9.3	5.7	7.7	7.42	77
7. Cyrex (0.5 lbs.), no SpSt	2	8.1	8.1	6.3	6.7	7.32	75
8. Manzate (1.5 lbs.) plus TSpSt	1	7.2	8.1	6.2	7.4	7.25	73
9. Fermate (1.5 lbs.) plus TSpSt	1	5.9	6.6	6.4	6.1	6.24	49
10. Glydine (1 qt.), no SpSt	4	6.4	5.0	6.9	6.4	6.16	47
11. Sulphur-Copper (90%:10%) Dust	4	5.2	7.4	6.0	5.6	6.05	44
12. Check (No fungicide after June 3)	46	3.4	4.3	4.4	4.6	4.19	..
13. "Spor-Rid" PMA (1 pt.), no SpSt	27	(Poor control; discontinued August 12.)					
14. Dyrene (0.75 lbs.), no SpSt	3	(Burned; discontinued July 8.)					

*All sprays, except No. 1, were 150 gallons per acre; No. 1 was 250 gallons per acre.

†Difference for significance (Sd) = 0.54 lbs. or 13 per cent.

**TSpSt = Triton B-1956 spreader-sticker, 2 oz.

††Ortho S = Ortho Spray-Sticker at 0.5 pt.



Carol Dean, queen of the 1960 Texas Rose Festival, smiles down from the royal float, which was decorated with 25,000 red rose blooms and white petals.



The rose growers' float of green trimmed with red roses was ridden in the parade by Mary Ellen Moore, chosen as the Tyler rose growers' duchess for the festival.

Texans Stage Annual Rose Spectacular

Rose Show, Parade and Queen's Events Highlight Program of Tyler Festival

By Joan Kilner Mills

"I didn't know you folks grew roses like these up here!" exclaimed a visitor to the World's Fair at Chicago in 1933. An attendant explained, "Oh, these rosebushes came from a town down in Texas, called Tyler." Upon his return home, the visitor, the late Tyler attorney Thomas B. Ramey, Sr., with the co-operation of the Tyler chamber of commerce, gained the support of local rose nurserymen, merchants and other interested citizens to stage the first Texas Rose Festival on October 11, 1933.

It featured a rose queen, a floral parade, displays of roses in store windows and merchants' booths around the main square, a speech by Senator Tom Connally and a locally produced coronation operetta about roses. The festival drew 40,000 spectators.

Since that time the Texas Rose Festival has been held annually at Tyler, with the exception of the World War II years. The 23rd annual Texas Rose Festival, staged October 14 to 16 at Tyler, drew well over 100,000 spectators. As when first held 27 years ago, the festival still features a rose queen, a floral parade, a coronation pageant and guest speakers, but over the years the floral extravaganza has been expanded to cover a program of three days, with the addition of a larger and more stylized rose show, tours of commercial rose growers' fields, distinguished guests' luncheons, the

queen's tea, a coronation ball, an outdoor fiesta show, the queen's ball and a rose vesper service.

Tyler Growers Supply Roses

Roses for the rose show, the parade floats and all the social events in the festival program are donated by the more than 200 commercial rose growers in the Tyler area, who annually grow and ship over 25,000,000 rosebushes throughout the United States and to some foreign countries. This year Ray Breedlove,

Breedlove Nurseries, was vice-president in charge of rose activities, and Bernard Friedlander, merchandise and seed supplier to rose growers and farmers, was in charge of procuring the hundreds of thousands of roses used in the festival.

Although the rose queen is officially crowned in a coronation pageant at the opening of the festival, the coronation is really the climax of her reign, for the year's queen is selected soon after the preceding festival has ended. She ap-



With rose queen Carol Dean as she snipped the ribbon opening the festival rose show were (left to right) Mrs. Nat Schoen, Vincent K. Bailey, L. J. Hilscher and Henry Bell, Jr.



Pictured at the queen's tea, the rose queen and her family: Standing behind Queen Carol Dean, left to right, Betty, Larry, Mrs. Dean, L. A. (Slick) Dean and Barbara.

pears at various events throughout the country, including the convention of the Texas Association of Nurserymen and often that of the American Association of Nurserymen, to publicize the Texas Rose Festival and the rose industry at Tyler.

Except for the first year, the queen has been a Tyler girl. This year, for the first time in the history of the festival, the queen was the daughter of a rose nurseryman. She was Miss Carol Dean, daughter of L. A. (Slick) Dean, partner in the Arp Nursery Co., and Mrs. Dean.

The queen selects her court of princesses and ladies in waiting from her Tyler friends. Duchesses to the festival are selected by various Texas cities, some other states and sometimes foreign countries. And one duchess is selected by the Tyler rose growers to represent them in the festival. She is always the daughter of a rose grower. This year the rose growers' duchess was Miss Mary Ellen Moore, daughter of Mr. and Mrs. P. C. Moore.

Rose Show

An enchanted forest of roses and slash pines, long-needled conifers common to the east Texas piny woods, was the theme of the rose show held during the three days of the festival in the Garden Center building overlooking Tyler Municipal Rose Garden.

Peace roses trimmed the fuchsia-colored ribbon barrier across the entrance to the show, which was

snipped by the rose queen Friday morning, October 14, to open the show. Queen Carol Dean wore a short gown in shades of soft yellow to pink, with a wrist corsage of a new rose variety which her father's firm plans to introduce next year.

Also sharing in the ribbon-cutting ceremony were Vincent K. Bailey,

St. Paul, Minn., president of the American Association of Nurserymen; L. J. Hilscher, Fort Worth, Tex., president of the Texas Association of Nurserymen; Mrs. Nat Schoen, Vancouver, Wash., president of the American Rose Society; Henry Bell, Jr., Tyler, president of the 1960 Texas Rose Festival, and Ray Breedlove, Tyler, vice-president in charge of rose activities.

The rose show was planned and staged by David Loughridge, assistant director of parks and recreation, and his committees. Entrance was along a simulated stone castle wall set in a bed of red roses. On the wall were heraldic emblems featuring roses. Next came a forest of slash pines growing in beds of red and white roses.

In the center of the main show hall was a meadow of rose blooms in all shades. More rose blooms and rose petals floated on a river that meandered through the meadow. Pathways along the river bank were of crushed white marble accented by red, pink and yellow roses. Standing in the rose meadow were three life-size manikins wearing the coronation gowns of queens of past rose festivals. Another feature was an old mill and its paddle wheel, at the river's end. Four thousand red and white balloons covered the vaulted ceiling of the showroom. These unusual effects added glamour, but the

[Continued on page 106]

Modern Advances in Growing America's Favorite — the Rose

By Joan Kilner Mills

More than 30,000,000 Americans are known to be rose-growing enthusiasts. It is estimated that in 1960 they will have spent more than \$100,000,000 for new rosebushes. This is more than 10 per cent of all the money spent on general nursery and garden products.

As is known to most persons by now, the rose is the favorite flower in the United States. According to the results of a national flower election made by the Florists' Telegraph Delivery Association, the rose garnered 386,841 votes, which was more than twice that of its nearest competitor, the carnation. Third place went to the chrysanthemum. The rose was first choice in 48 of the 50 states, with only Colorado and Hawaii naming the carnation as first choice.

Unknown to many persons is the fact that the rose has long been na-

tive to this part of the North American continent and that there are at least three wild-type roses indigenous to Texas, not counting *Rosa bracteata*, the McCartney rose, which went wild after its introduction and is now a nuisance in pastures and fields along the Gulf coast.

This information and much more on roses and the art of growing them was contained in a special feature article written by Dr. E. W. Lyle, pathologist for the Texas Rose Research Foundation, for the rose festival edition of the Tyler, Tex., *Courier-Times* newspaper. The rose is also one of the prize examples of prehistoric plant life in the United States. Fossil remains of roses have been found in Colorado and Oregon, indicating existence as long as 32,000,000 years ago, and wild roses still

[Continued on page 40]

Wetwood Disease of Elm And Its Treatment

By Dr. J. C. Carter

Illinois Natural History Survey, Urbana, Ill.

Wetwood is one of the commonest and most widespread tree diseases which are perpetually plaguing the arborist. Although wetwood is primarily a disease of the heartwood and older sapwood, it has many external manifestations that are unsightly. These external manifestations include fluxing through wounds; yellowing of foliage, followed by premature defoliation; scorch and wilting of foliage; dieback of wilted branches, and general decline of entire trees. Trees affected by wetwood include apple, birch, elm, fir, hemlock, maple, mulberry, oak, poplar and willow, although it is more widespread and causes more injury in elm than in other trees. *Ulmus pumila* is unusually susceptible to the disease. This discussion will deal mainly with the wetwood disease of elm and its control.

The Disease

In elm, wetwood is most conspicuous in the older sapwood and heartwood. In trunk cross sections, it may appear as dark brown streaks or broken bands of discoloration in one of several wood rings or in portions of a single ring. The diseased wood is water-soaked, and sap oozes out when the wood is cut.

Gas is produced in large amounts in wetwood-affected tissues by the action of fermenting bacteria on car-

bohydrates and other materials in the sap. When this gas is confined in the trunk, abnormally high sap pressures develop. Pressures up to 60 pounds per square inch have been reported. However, pressures of only five to 10 pounds per square inch are common in many wetwood-affected trees. The gas contains approximately 46 per cent methane, 36 per cent nitrogen, 14 per cent carbon dioxide, 5 per cent oxygen and 1 per cent hydrogen. It does not contain carbon monoxide or illuminants.

Sap accumulates under pressure in the diseased wood and produces the water-soaked condition which gives rise to the name "wetwood." This sap contains phosphorus and an abundance of potassium, which appear to be present as carbonates. The sap and water extract from affected wood of diseased elms is alkaline, while water extract from healthy sapwood and heartwood of normal elms is acid in reaction. The wetwood sap has a pH of 7.11 to 8.55, and the water extract from wetwood-affected wood has a pH of 7.06 to 7.80. The water extract from healthy wood has a pH of 6.11 to 6.60.

Damage Caused

The most conspicuous damage caused by wetwood is the bleeding or fluxing of the fermented sap through trunk wounds. Other symptoms that may develop when the fluxing sap spreads into current-season wood and is transported in the sap stream are yellowing, scorching and wilting of leaves, dying of branches and general decline of entire trees.

Abnormally high pressures caused by fermentation force the accumulated gas and sap out of the trunk through wounds made by the removal of branches, through cracks in crotches and trunks and through other trunk injuries. The exuding of sap is commonly called fluxing. The flux is colorless to tan as it oozes out of diseased wood but turns dark upon exposure to air. When abundant bleeding occurs, it flows down the trunk, wetting and soaking large areas of bark. When the flux dries, it leaves a light gray to white incrustation on the bark. Fluxing may



This section of a tree shows a drain hole bored at the proper angle and the drain pipe so inserted that it does not penetrate diseased wood (arrows) and interfere with drainage.

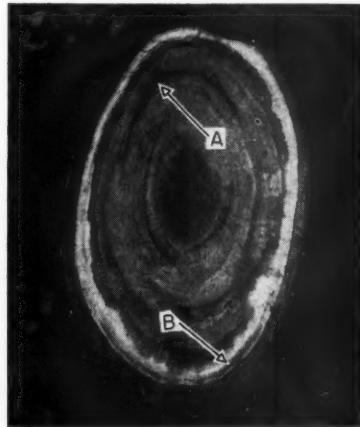
occur from April to December, but is most conspicuous during July, August and September, when the wetwood organism is most actively fermenting sap and producing abnormal pressures in the diseased wood. Fluxing usually ceases during January, February and March. However, the wounds through which this fermented sap has flowed can be detected by the gray to white incrustation of dry flux on the bark.

The exuding wetwood flux is toxic to the extent that it is capable of retarding or preventing callus formation, and it frequently kills the cambium at the base of a cut where a branch has been removed and around the trunk cracks through which it flows. Young shoots directly above the fluxing regions may wilt. Foliage and young shoots and

[Continued on page 60]



Abnormal pressures develop in the diseased wood of elms affected with wetwood. Many affected trees that do not flux or bleed have unusually high pressures, as shown in this picture.



A section of elm trunk infected with wetwood shows dark brown diseased areas in isolated portions of some wood rings (A) and brown streaking in part of the current season wood ring (B).

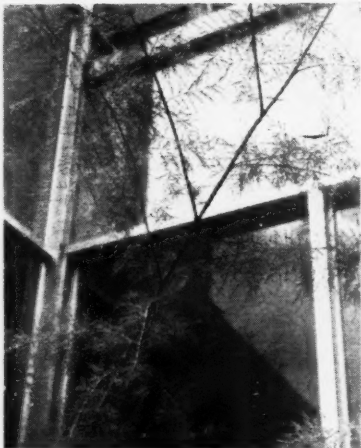


Illustration A—The fine or delicate foliage of tamarix can be used where windows are involved.



Illustration B—A direct contrast to finer-leaved specimens is provided by the coarse foliage of corylus.



Illustration C—The loose, tumbling needles of *Pinus armandi* give it a picturesque but fine texture.

Tips for Better Landscapes

Many Uses for Fine-Textured Plants

By Clarence E. Lewis

Department of Horticulture, Michigan State University, East Lansing, Mich.

Trees and shrubs that possess a fine texture have a definite place in many landscape situations, particularly about buildings with extensive glass areas, where the need is for materials that do not completely screen the glass or the view from within. Illustration A shows the delicate pattern that tamarix makes against glass if it becomes necessary to plant the tree close to the window.

Comparing the coarse texture of the corylus (hazel or filbert) foliage displayed in illustration B with that of the tamarix, one can easily see the advantages of using a plant with a

fine texture and open growth in such a situation.

Sometimes a program of pruning can be beneficial in training a plant to an open structure that it does not naturally possess, but plants may in time rebel against this treatment. It depends on the tree selected. Certain crab apples, such as Parkman, object to being overly pruned.

Pines Tolerate Pruning

There are several pines that can be pruned so that they do not completely conceal the building or eliminate the light. Such loose-growing pines as the Armand pine shown in

illustration C can be easily shaped to an open structure.

Others that respond as readily are the white pine (*Pinus strobus*), the Japanese white pine (*P. parviflora*), the Jack pine (*P. banksiana*), limber pine (*P. flexilis*), Scots (Scotch) pine (*P. sylvestris*) and lacedbark pine (*P. bungeana*).

Another place where a fine-textured plant is useful is at the top of a wall, where the branches may hang down to give a lacy or vine-like effect. The weeping forsythia performs well in such a situation, developing a finer texture than it does when grown as a shrub on level



Illustration D—It is interesting to contrast the leaves of the cut-leaved European alder and those of the species.



Illustration E—The dissected leaflets of staghorn sumac provide a clean-cut and fine appearance.



Illustration F—The delicate leaves of the common elderberry are probably not familiar to many viewers.

ground. Matrimony vine (*Lycium halimifolium*) is also acceptable, but often develops a considerable quantity of deadwood.

Other materials suitable for the same purpose include fountain butterfly bush (*Buddleia laternifolia*), *Cotoneaster racemiflora soongorica*, *Jasminum nudiflorum*, *Salix repens rosmarinifolia*, *Tsuga canadensis Pendula* (an expensive item but well worth it) and the weeping pagoda tree (*Sophora japonica Pendula*). The last plant mentioned is additionally interesting, since its leaves are retained later in the fall than those of most other deciduous trees and shrubs.

Interesting patterns can be made on a wall with these pendulous branches, but it takes a little imagination, a willing worker, some good pruning shears, cord, eye screws and maybe even a ladder.

When exceptionally strong contrast is desired, one can select a lacy small tree, such as the cut-leaved Japanese maple (*Acer palmatum Dissectum*), *Albizia julibrissin rosea* (Hardy silk tree) or the larger *Alnus glutinosa Incisa* (Cut-leaved European alder) and combine it with a thrifty ground cover like *Baltic ivy* (*Hedera helix (Baltica)*). See illustration D for a comparison between the foliage of *Alnus glutinosa* (coarse) and the much finer leaf of *Alnus glutinosa Incisa*.

Rhus, Sambucus Need Restraint

Such weedlike plants as the stag-horn and smooth sumacs have interesting cut-leaved variations, *Rhus typhina laciniata* and *Rhus glabra laciniata*. Illustration E depicts the lacy leaflets of the cut-leaved stag-horn sumac, and the corresponding variety of the smooth sumac is extremely similar. There is one difficulty encountered with these two

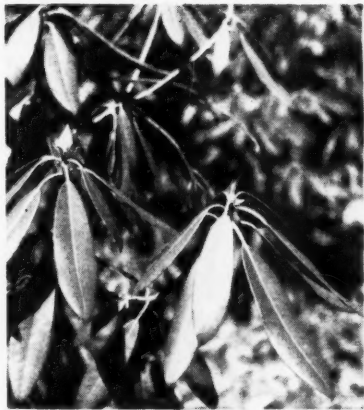


Illustration G—*Rhododendron maximum*'s large leaves contrast with such smaller-leaved species as *carolinianum*.



Illustration H—The fringelike foliage of the Dawn redwood is finding a place in the American landscape.

trees; namely, their tendency to send up basal stems indiscriminately.

Two shrubs with a lacy appearance are the little-known *Sambucus canadensis Acutiloba* and *Sambucus pubens Dissecta*. Illustration F of the variation of the species *canadensis* shows the delicate foliage of this plant. But again, these loose, spreading shrubs must be kept under control.

Are they worth this added effort? Certainly, if one wishes to add a bit of the unusual to a planting that requires a fragile texture. The biggest problem is finding a source of supply.

Many times these fine-textured plants are better suited to small areas than plants with coarse foliage, providing a more obvious scale relationship. For instance, *Albizia julibrissin rosea* may seem more in keeping than the European hazel (*Corylus avellana*) in a small court of 400 square feet.

The manipulation of textures is one of the most subtle ways of sup-

plying interest. Also, a fine-textured group of plants—Japanese andromedas or Carolina rhododendrons, for instance—at the end of a garden suggests greater distance than a group of coarse-textured plants, such as rosebay rhododendrons (*R. maximum*) or Catawba rhododendrons. One reason for this is that large leaves hold attention longer than small leaves. Illustration G indicates the coarse texture of rosebay rhododendron.

Importance of Pruning

Pruning a shrub or tree is important in the manipulation of texture. One can eliminate enough lateral branches to provide a looser or more drooping habit. With this treatment, the Dawn redwood (*Metasequoia glyptostroboides*) can be used as a tree of fine texture, the loose bark contributing to the light effect of the foliage (illustration H).

The idea of pruning to encourage the appearance of fine texture was [Continued on page 50]

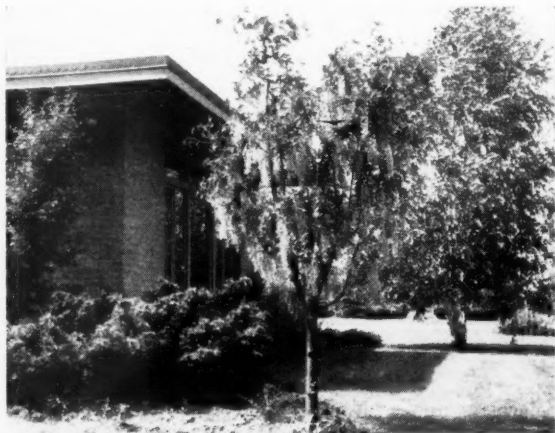


Illustration I—The Voss laburnum is fine in appearance when the flowers are present; less so when they are gone.



Illustration J—The texture of the fern-leaved beech is fine in comparison with that of the species, *Fagus sylvatica*.

Garden Center with Eight Sides

By Richard B. Kilner

Capital Nursery Co., Sacramento, Calif., noted for its unique and functional octagon layout, is recognized as a complete, well-managed operation.

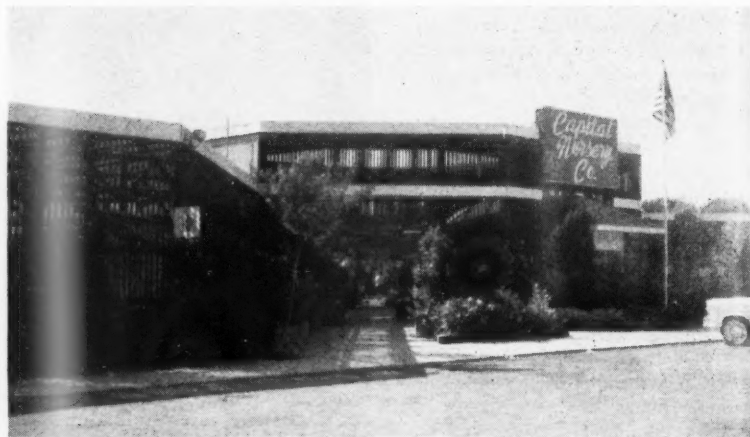
Owners Charles and Eugene Armstrong, active members in California Association of Nurserymen affairs, have successfully maintained their firm's high position although gas stations selling cut-rate nursery stock and supplies and one of Woolworth's new mass-merchandising garden centers are located in the area.

The front entrance of the unusual structure leads into the central 8-sided area that is like the hub of a wheel, with aisles leading from it like spokes. This central area is the hub of activity for the whole operation. Here are topical displays. Signs direct customers to the cashier's booth, where nurserymen are available to help them. Over each of the aisles leading from the octagon is a sign telling what that area contains—bedding plants, citrus plants, perennials, garden supplies, etc.

An additional feature of this wheel-like area, which is under lath, is a miniature octagon toward one corner, which houses the tropical plant department.

Landscape Services

While the lath area is as large as many good-size retail nurseries, it is only a fraction of the 10 acres occupied by the firm. Another prominent phase of the operation is a landscape department under the supervision of "Chuck" Armstrong. In connection with this work, Capital Nursery Co. devotes a large area to a stone yard,



Entrance of the Capital Nursery Co., Sacramento, Calif., leads directly into the octagonal hub of the structure, center of the nursery's sales operations.

where all types of rocks and stones for landscaping, plus stone ornaments, benches, birdbaths and planters, are displayed. Around this area is a fence of colorful materials enabling landscape architect Waldo Scott to demonstrate effects that can be achieved through the use of a variety of materials.

The storage area for sacks of fertilizers, lawn seeds and other supplies gives the appearance of a display room. The orderliness is credited to having everything on pallets, so that stacks can be moved in and out by lift trucks.

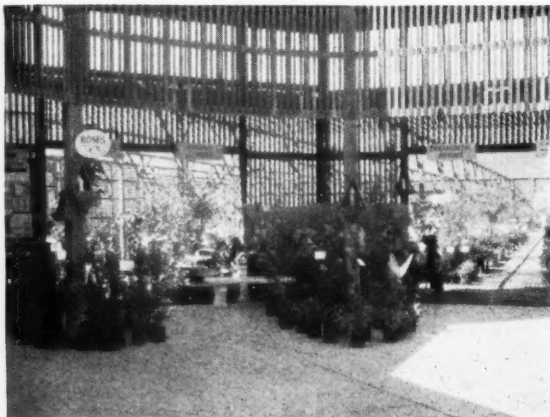
In this extensive operation, something of a garden department store, Capital Nursery Co. provides department store services, such as credit purchasing and delivery.

The firm has continued to prosper

in the face of new types of competition by continuing to offer high-quality products and services and has adapted some of the better features of the new merchandising to its own operation.

HARRY'S NURSERY on Mount Diablo boulevard, Lafayette, Calif., celebrated its 10th anniversary the first week of October. Landscape consultation is featured and Japanese gardens are a specialty. The nursery welcomed its customers with a special sale.

CITED for outstanding achievement in salesmanship, Waldo D. Scott, landscape architect, Capital Nursery Co., Sacramento, Calif., received an award recently from the Sales Executive Club of Sacramento.



The cashier's booth (left) is conveniently located in the 8-sided central section of the Capital nursery building, along with seasonal stock displays. Aisles radiating from the octagonal sales center (right) lead into the lath area.

Feature Rosedom's Royal Family

ARMSTRONG ROSES — LEADING WINNERS OF ALL-AMERICA AWARDS



DUET



PINK PARFAIT

The only All-America Roses for 1961!

The most publicized new roses in history! Both All-America publicity and Armstrong's own powerful national advertising and publicity campaign are concentrating on them. Sales volume will break all records for new roses.

Duet is a thrilling new bicolored Hybrid Tea. Rich salmon-pink contrasts with sparkling orange-red . . . the kind of color drama that always sells. And, hot weather or cold, moist or dry, Duet retains its lovely form and unique rich color.

Pink Parfait softly blends pastel shades of pink. This robust, easy-to-grow Grandiflora is continually loaded with dainty buds and high-centered blooms. We've counted as many as 100 on a single plant at one time!

Armstrong roses are grown in California, on husky Dr. Huey understock. They are carefully handled, critically graded, nationally advertised, known, wanted. By featuring Armstrong roses . . . Rosedom's Royal Family . . . you'll make *extra* sales.

WRITE FOR OUR WHOLESALE LIST

ARMSTRONG NURSERIES

ONTARIO, CALIFORNIA



CIRCUS

BUCCANEER

GARDEN PARTY

AZTEC

CHARLOTTE
ARMSTRONG

EL CAPITAN

HELEN TRAUBEL

MONTEZUMA

DUET

PINK PARFAIT

QUALITY LINING-OUT STOCK

We list below the items of lining-out stock that we have available for the 1960-61 season. We think that we have very fine liners and will submit samples on request. No orders for less than 50 plants of a kind, please. 50 to 250 plants at the 100 rate, 250 and up at the 1000 rate.

LATH HOUSE GROWN POTTED LINERS

Grown outside in lath houses one or more seasons.

	Each Per 100	Each Per 1000
Barberry, <i>julianae</i> , 2½-in. pot, 6 to 8 ins.	\$0.16	\$0.15
<i>Elaeagnus simoni</i> , 2½-in. pot, 8 to 10 ins. ....	.15	.12½
<i>Ilex aquifolium</i> , seedlings, 2½-in. pot, 8 to 10 ins. ....	.15	.12½
<i>Ilex crenata convexa</i> , 2½-in. pot, 4 to 6 ins. ....	.15	.12½
<i>Ilex glabra</i> , 2¼-in. pot, 6 to 8 ins. ....	.15	.12½
<i>Ilex crenata Green Thumb</i> , 2½-in. pot, 4 to 6 ins. ....	.15	.12½
<i>Ilex crenata helleri</i> , 2½-in. pot, 2-yr., 4 to 6 ins. ....	.15	.12½
<i>Ilex crenata helleri</i> , 4-in. pot, 3-yr., 6 to 8 ins. ....	.35	.30
<i>Ilex crenata hetzi</i> , 2½-in. pot, 6 ins. ....	.15	.12½
<i>Ilex opaca East Palatka</i> , 3-in. pot, peat, heavy, 10 to 12 ins. ....	.15	.12½
<i>Nandina domestica</i> , 2-in. rose pot, 8 to 10 ins. ....	.12½	.10
<i>Osmanthus fortunei</i> , 2½-in. rose pot, 4 to 6 ins. ....	.17½	.15
<i>Viburnum burkwoodi</i> , 2½-in. rose pot, 8 to 10 ins. ....	.12½	.10
<i>Viburnum chenaunti</i> , 2½-in. rose pot, 8 to 10 ins. ....	.12½	.10
<i>Thuja occidentalis compacta erecta</i> , 2½-in. rose pot, heavy, 6 to 8 ins. ....	.16	.14
<i>Thuja occidentalis</i> , Dark Green, 2½-in. rose pot, heavy, 6 to 8 ins. ....	.16	.14
<i>Thuja occidentalis globosa</i> , 2½-in. rose pot, heavy, 6 to 8 ins. ....	.16	.14
<i>Thuja orientalis Baker's</i> , 2½-in. rose pot, 8 to 10 ins. ....	.17½	.15
<i>Thuja orientalis</i> , Blue Cone, 2½-in. rose pot, 8 to 10 ins. ....	.17½	.15
<i>Thuja orientalis</i> , Mayhews, 2½-in. rose pot, 6 to 8 ins. ....	.17½	.15
<i>Thuja orientalis newarkii</i> , 2½-in. rose pot, 8 to 10 ins. ....	.18	.16
<i>Chamaecyparis plumosa</i> , Green, 2½-in. pot, 6 to 8 ins. ....	.15	.12½
<i>Chamaecyparis plumosa</i> , Golden, 2½-in. pot, 6 to 8 ins. ....	.15	.12½
<i>Juniper, chinensis hetzi</i> , 2½-in. pot, 8 to 10 ins. ....	.17½	.15
<i>Juniper, chinensis hetzi</i> , beer cans, 12 to 15 ins. ....	.22½	.20

BED-GROWN LINERS FROM LATH HOUSE

<i>Boxwood, harlandi</i> , beds, heavy, 8 to 10 ins. ....	.20	.17½
<i>Euonymus alatus compactus</i> , beds, 4 to 6 ins. ....	.16	.15
<i>Euonymus fortunei argenteo-variegatus</i> , beds, 4 to 6 ins. ....	.15	.12½
<i>Euonymus fortunei compactus</i> , beds, 8 to 12 ins. ....	.12½	.10
<i>Euonymus microphyllus</i> , beds, heavy, 4 to 6 ins. ....	.15	.12½
<i>Euonymus radicans</i> , beds, 10 ins. ....	.15	.12½
<i>Euonymus radicans</i> , upright, beds, 8 to 12 ins. ....	.15	.12½
<i>Ilex crenata convexa</i> , seedlings, 2-yr., beds, 10 to 12 ins. ....	.15	.12½
<i>Ilex crenata rotundifolia</i> , beds, light, 6 to 8 ins. ....	.12½	.10
<i>Ligustrum lucidum Suwannee River</i> , beds, 6 to 8 ins. ....	.35	.30

HEAVY FIELD-GROWN LINERS

All two-year, field-grown liners have been root-pruned and trimmed several times.

	Each Per 100	Each Per 1000		Each Per 100	Each Per 1000
<i>Juniper, Andorra</i>			<i>Juniper, Pfitzer compacta Nicks</i>		
1-yr., 6 to 8 ins.	\$0.12½	\$0.10	1-yr., 6 to 8 ins.	\$0.17½	\$0.15
2-yr., 8 to 12 ins. ....	.15	.12½	2-yr., 8 to 12 ins. ....	.22½	.20
<i>Juniper, chinensis albo-variegata</i>			<i>Juniper, Pfitzer compacta Kallay</i>		
2-yr., 8 to 12 ins. ....	.25	.20	1-yr., 6 to 8 ins. ....	.17½	.15
<i>Juniper, chinensis hetzi glauca</i>			2-yr., 8 to 12 ins. ....	.22½	.20
1-yr., 6 to 8 ins. ....	.12½	.10	<i>Juniper, Pfitzer Blue (Mayhews)</i>		
1-yr., 8 to 12 ins. ....	.15	.12½	2-yr., 10 to 12 ins. ....	.25	.22½
2-yr., 8 to 12 ins. ....	.17½	.15	<i>Juniper, Pfitzer nana (Armstrong's)</i>		
2-yr., 12 to 15 ins. ....	.20	.17½	1-yr., 6 to 8 ins. ....	.17½	.15
<i>Juniper, chinensis maneyi</i>			<i>Juniper, sabina</i>		
1-yr., 6 to 8 ins. ....	.25	.22½	1-yr., 6 to 8 ins. ....	.12½	.10
1-yr., 8 to 12 ins. ....	.27½	.25	2-yr., 10 to 12 ins. ....	.17½	.15
<i>Juniper, excelsa stricta</i>			<i>Juniper, sabina Arcadia</i>		
1-yr., 6 to 10 ins. ....	.12½	.10	1-yr., 6 to 8 ins. ....	.25	.20
2-yr., 8 to 12 ins. ....	.17½	.15	<i>Juniper, sabina horizontalis</i>		
<i>Juniper, fastigiata</i>			1-yr., 8 to 10 ins. ....	.25	.20
1-yr., 8 to 12 ins. ....	.12½	.10	<i>Juniper, sabina vonehron</i>		
2-yr., 12 to 15 ins. ....	.15	.12½	1-yr., 6 to 8 ins. ....	.12½	.10
<i>Juniper, communis depressa aurea</i> (Golden Canadian)			<i>Juniper, virginiana repandens</i>		
1-yr., 8 to 10 ins. ....	.17½	.15	1-yr., 6 to 8 ins. ....	.15	.12½
2-yr., 10 to 12 ins. ....	.22½	.20	2-yr., 8 to 10 ins. ....	.17½	.15
<i>Juniper, chinensis pfitzeriana</i>					
1-yr., 8 to 10 ins. ....	.17½	.15			
2-yr., 10 to 12 ins. ....	.20	.17½			

CARTWRIGHT NURSERIES

Collierville, Tenn.

Phone: UL 3-2352

OBITUARY

Hugh Evans

Hugh Evans, nationally known horticulturist and founder of the Evans & Reeves Nursery, Santa Monica, Calif., died October 11 at the age of 86.

Born at Stamford, England, Mr. Evans came to the United States in 1890 and settled in the San Luis Rey valley in San Diego county, where he studied fruit farming. He moved to Los Angeles in the early 1900s and founded his first nursery at Sycamore Grove.

Going to Santa Monica in 1910, he entered the real estate field in southern California and was successful in developing several areas, the most famous and successful being the Wilshire-Fairfax tract near the "Miracle Mile."

In 1936 Mr. Evans founded the Evans & Reeves nursery in the Barington-Sunset area, Brentwood. A self-made expert on horticulture, he was a member of many horticultural associations. The nursery was discontinued and subdivided a few years ago, but the family retains the Evans Landscaping Division of the enterprise.

Surviving are two sons and two daughters.

Hollis Milton Gray

Hollis Milton Gray, 46, owner of the Cottage Nursery, Vallejo, Calif., for the past 19 years, died October 8 at his home. Stricken with multiple sclerosis in 1953, he had partially overcome effects of the disease and continued management of his business. He was serving on the board of directors of the California Association of Nurserymen at the time of his death. Besides teaching courses in landscaping at Oakland and Berkeley, Mr. Gray was also the author of a feature "Gardeners' Checklist," which appeared in a local newspaper.

He is survived by his widow, Dorene; two sons, Gerald and Phillip; a daughter, Dorothy; his mother; one brother, and three sisters.

Herbert F. Clarke

Herbert F. Clarke, The Clarkes, pansy and primrose specialists and seedsmen, Clackamas, Ore., died October 14, after a long illness. He was 76. He and his wife, Marguerite, had operated their florist-nursery business for more than 20 years. He was a member of the Oregon Association of Nurserymen.

C. H. P.

HOW PETERSON & DERING PAVES THE WAY TO

More Rose Profits

NEW VARIETIES. Perk up your sales with something new and different! In addition to the newest All-America Winners and the most popular patented and non-patented roses, P&D this year offers 3 highly publicized new varieties:



EBONY (PPAF). New deep red grandiflora that is extremely heavy blooming—as many as 45 blooms have been counted on a single candelabra stem.



RED RUFFLES (PPAF). Dark red floribunda producing interesting flowers with ruffled petals. Nice for borders and a constant source of cut flowers for unusual arrangements.

MORE NATIONAL ADVERTISING

Full-color and black-and-white pages in the nation's leading flower magazines and garden columns create interest and build demand for P&D Roses.



New ...and already a
SILVER MEDAL WINNER

Coronado (PPAF)

Brilliant new red and gold bi-color hybrid tea. Silver medal winner, International Trials at Rome, Geneva and Denmark.

MORE EXTRA SERVICES

These are the little extras provided by Peterson & Dering that add up to a lot more profit:

1. Every P&D rose bush is individually labeled.
2. Every bush is top-tied to minimize breakage.
3. All bushes trimmed to your specifications.
4. Free Color Pictures for each variety ordered.
5. Color Folders, Color Plates available at cost.
6. P&D Roses have pliable fibrous root systems and short shanks — easier to pot without damage.
7. Fresher stock — shipped in pool cars mechanically refrigerated to a constant 33°.



BETTER ROOT STOCK

P&D "Super-Strain" Multiflora Root is the result of over 20 years' development — your assurance of hardier plants, more vigorous growth, more abundant blooms, happier customers.



Oregon's best source
of good Roses

"THE FINEST ANYWHERE"

FOREST NURSERY COMPANY, INC.

McMinnville, Tenn.

IF NOT ON OUR MAILING LIST, WRITE TODAY.

Below are a few of the items listed in our new fall list. If you are in need of varieties not listed, write, phone or wire for quotations.

ALL STOCK LISTED, NURSERY-GROWN

HARDY DECIDUOUS FLOWERING SHRUBS

	Per 10	Per 100	Per 1000		Per 10	Per 100	Per 1000		Per 10	Per 100	Per 1000
ACANTHOPANAX PENTAPHYLLUS (Sieboldianus) (Five-leaved Aralia)				CALYCANTHUS FLORIDUS (Sweet Shrub)				LIGUSTRUM OVALIFOLIUM —Continued			
6 to 12 ins., C.....	\$1.75	\$10.00	....	6 to 12 ins., S.....	\$ 2.50	\$ 20.00	....	Grafting grade,			
12 to 18 ins., C.....	2.00	15.00	....	12 to 18 ins., S.....	3.50	30.00	....	1/4-in. cal. and up....	\$ 4.00	\$ 35.00	....
ALMOND, PRUNUS GLANDULOSA (Double Pink-Flowering Almond)				18 to 24 ins., S.....	4.50	40.00	....	6 to 12 ins., 2 br.....	4.00	35.00	....
12 to 18 ins., L.O.,			....	2 to 3 ft., S.....	5.50	50.00	....	12 to 18 ins., 2 br.....	4.50	40.00	....
1 and 2 br.....	2.00	18.00	\$150.00	3 to 4 ft., S.....	6.50	60.00	....	18 to 24 ins., 2 br.....	5.50	50.00	....
12 to 18 ins., T., well-br.	3.00	25.00	200.00	12 to 18 ins., T., well-br.	\$2.25	20.00	....	12 to 18 ins., 3 br.			....
18 to 24 ins., T., well-br.	3.50	30.00	250.00	18 to 24 ins., T., well-br.	2.75	25.00	....	and up	6.50	60.00	....
2 to 3 ft., T., well-br.	4.00	35.00	....	2 to 3 ft., T., well-br.	3.25	30.00	....	18 to 24 ins., 3 br.			....
3 to 4 ft., T., well-br.	4.50	40.00	....	CYDONIA JAPONICA RUBRA (Upright Red-flowering Quince)				and up	8.00	75.00	....
ALTHAEA, HIBISCUS SYRIACUS, Bush Form, Rose of Sharon				6 to 12 ins., C.....	1.75	10.00	80.00	2 to 3 ft., 4 br. and up ..	12.50	100.00	....
Varieties:				12 to 18 ins., C.....	2.25	15.00	100.00	LIGUSTRUM SINENSE (Amur River South Privet)			
ALTHAEA AMPLISSIMUS , double, red				18 to 24 ins., C.....	2.50	17.50	125.00	Row-run, 1-yr., S.....	1.00	6.00	....
ALTHAEA ARDENS , double, violet				12 to 18 ins., T., well-br.	2.75	20.00	175.00	12 ins. and up, 2-yr., S.	1.50	10.00	....
ALTHAEA JEANNE D'ARC , double, white				18 to 24 ins., T., well-br.	4.00	35.00	300.00	12 to 18 ins., T., well-br.	4.50	40.00	....
ALTHAEA LADY STANLEY , semidouble, white, shade rose				2 to 3 ft., T., well-br.	5.00	45.00	400.00	18 to 24 ins., T., well-br.	7.00	60.00	....
ALTHAEA RUBIS , single, red				DEUTZIA SCABRA Varieties:				2 to 3 ft., T., well-br.	\$1.00	9.00	80.00
ALTHAEA TOTUS ALBUS , single, white (100 Lots Only)				Candidissima , double, white (Rooted Cuttings Only)				3 to 4 ft., T., well-br.	1.75	15.00	100.00
6 to 12 ins., C.....	4.00	35.00	....	Crenata , double, pink flowers				PHILADELPHUS CORONARIUS (Sweet Mock Orange)			
12 to 18 ins., C.....	5.00	45.00	....	Pride of Rochester , double, white flowers, tinged pink				6 to 12 ins., C.....	4.00	35.00	....
12 to 18 ins., 2-yr., well-br.....	1.50	12.50	100.00	6 to 12 ins., C.....	2.50	20.00	....	12 to 18 ins., C.....	4.50	40.00	....
18 to 24 ins., 2-yr., well-br.....	1.75	15.00	125.00	12 to 18 ins., C.....	3.00	25.00	....	12 to 18 ins., well-br.....	1.25	10.00	90.00
2 to 3 ft., 2-yr., well-br.	2.00	17.50	150.00	12 to 18 ins., well-br.....	1.00	7.00	60.00	18 to 24 ins., well-br.....	1.75	15.00	125.00
3 to 4 ft., 2-yr., well-br.	2.50	22.00	....	18 to 24 ins., well-br.....	1.25	9.00	80.00	RHODOTYPOS KERRIOIDES (scandens) (White Kerria)			
BERBERIS THUNBERGI (Green-leaved Barberry)				2 to 3 ft., well-br.....	1.75	15.00	....	12 to 18 ins., 2-yr., T., well-br.....	2.50	20.00	....
6 to 12 ins., 2-yr., S....	.40	2.50	20.00	3 to 4 ft., well-br.....	2.00	17.50	....	18 to 24 ins., 2-yr., T., well-br.....	3.50	30.00	....
12 to 18 ins., 2-yr., S....	.50	3.50	30.00	FORSYTHIA SPECTABILIS (Showy Border Forsythia)				2 to 3 ft., 2-yr., T., well-br.....	4.50	40.00	....
18 to 24 ins., 2-yr., S....	.60	4.50	40.00	6 to 12 ins., C.....	3.50	30.00	....	3 to 4 ft., 2-yr., T., well-br.....	5.50	50.00	....
6 to 12 ins., 2-yr., br., hedging .....	.60	4.50	40.00	12 to 18 ins., C.....	4.50	40.00	....	well-br.....	5.50	50.00	....
12 to 18 ins., 2-yr., br., hedging .....	.80	6.50	60.00	12 to 18 ins., well-br.....	2.25	17.50	150.00	SPIRAEA OPULIFOLIUS NANUS (Physocarpus)			
18 to 24 ins., 2-yr., br., hedging	1.00	8.50	80.00	18 to 24 ins., well-br.....	2.50	20.00	175.00	(Dwarf Ninebark)			
12 to 18 ins., T., well-br.	3.00	25.00	200.00	2 to 3 ft., well-br.....	3.00	25.00	200.00	6 to 12 ins., C.....	5.00	45.00	....
18 to 24 ins., T., well-br.	4.00	35.00	300.00	3 to 4 ft., well-br.....	3.50	30.00	250.00	12 to 18 ins., C.....	6.00	55.00	....
BERBERIS THUNBERGI ATROPURPUREA (Red-leaved Barberry)				HAMAMELIS VIRGINIANA (Common Witch Hazel)				12 to 18 ins., well-br.....	1.75	15.00	125.00
6 to 12 ins., 2-yr., S....	.75	6.00	50.00	6 to 12 ins., S.....	5.00	45.00	....	18 to 24 ins., well-br.....	2.00	17.50	150.00
12 to 18 ins., 2-yr., S....	.85	7.00	60.00	12 to 18 ins., S.....	6.50	60.00	....	2 to 3 ft., well-br.....	2.50	22.50	....
18 to 24 ins., 2-yr., S....	1.00	8.00	70.00	4 to 5 ft., T., well-br.	5.50	50.00	....	SPIRAEA VANHOUTTEI (Van Houtte Spiraea)			
6 to 12 ins., 2-yr., br., hedging	1.00	8.00	70.00	5 to 6 ft., T., well-br.	6.50	60.00	....	12 to 18 ins., 2-yr., well-br.....	2.00	15.00	125.00
12 to 18 ins., 2-yr., br., hedging	1.25	10.00	90.00	6 to 8 ft., T., well-br.	7.50	70.00	....	18 to 24 ins., 2-yr., well-br.....	2.50	20.00	150.00
18 to 24 ins., 2-yr., br., hedging	1.50	12.50	110.00	HYDRANGEA PANICULATA GRANDIFLORA Large-blooming strain.				2 to 3 ft., 2-yr., well-br.	3.00	25.00	....
12 to 18 ins., 2-yr., T., well-br.....	3.50	30.00	....	6 to 12 ins., C.....	1.50	12.50	100.00	SYMPHORICARPOS CHENAULTI (Improved Coralberry)			
18 to 24 ins., 2-yr., T., well-br.....	4.00	35.00	....	12 to 18 ins., C.....	2.00	15.00	125.00	6 to 12 ins., C.....	4.50	40.00	....
				12 to 18 ins., well-br.....	2.75	25.00	....	12 to 18 ins., C.....	5.50	50.00	....
				18 to 24 ins., well-br.....	3.25	30.00	....	12 to 18 ins., 2-yr., well-br.....	2.00	17.50	150.00
				2 to 3 ft., well-br.....	5.00	40.00	....	18 to 24 ins., 2-yr., well-br.....	2.25	20.00	175.00
				LIGUSTRUM AMURENSE (Amur River North Privet)				2 to 3 ft., 2-yr., well-br.	3.25	30.00	....
				LIGUSTRUM IBOLUUM (Ibolium Privet)							
				LIGUSTRUM OVALIFOLIUM (California Privet)							
				Grafting grade,							
				3/16 to 1/4-in. cal.....	3.50	30.00	....			

HARDY DECIDUOUS FLOWERING SHRUBS, Continued

	Per 10	Per 100	Per 1000
SYRINGA, LILAC			
Hybrid French Lilac			
Named Varieties:			
BELLE DE NANCY, double, pink			
BUFFON, single, pink			
CHARLES JOLY, double, red			
CHARLES X, single, red			
CONGO, single, red			
ELLEN WILLMOTT, double, white			
LUDWIG SPAETH, single, deep purple			
MARIE LE GRAYE, single, white			
MICHEL BUCHNER, double, pink			
PRESIDENT GREVY, double, blue			
6 to 12 ins.,	\$3.00	\$25.00	
12 to 18 ins.,	4.00	35.00	
18 to 24 ins.,	5.50	50.00	
2 to 3 ft.,	7.50	70.00	

	Per 10	Per 100	Per 1000
SYRINGA PERSICA			
(Persian Lilac)			
6 to 12 ins., C.,	\$ 6.00	\$ 50.00	
12 to 18 ins., C.,	\$1.00	8.00	70.00
18 to 24 ins., C.,	1.20	9.00	80.00
12 to 18 ins., well-br.,	1.75	15.00	125.00
18 to 24 ins., well-br.,	2.00	17.50	150.00
2 to 3 ft., well-br.,	4.00	30.00	
SYRINGA VULGARIS			
(Common Purple Lilac)			
12 to 18 ins., T.,	3.00	25.00	
18 to 24 ins., T.,	3.50	30.00	
2 to 3 ft., T.,	4.00	35.00	
VIBURNUM TOMENTOSUM			
(Double File Viburnum)			
6 to 12 ins., C.,	2.00	15.00	100.00
12 to 18 ins., C.,	2.50	20.00	125.00
12 to 18 ins., well-br.,	3.50	30.00	250.00
18 to 24 ins., well-br.,	4.50	40.00	350.00
2 to 3 ft., well-br.,	5.50	50.00	
3 to 4 ft., well-br.,	6.50	60.00	

	Per 10	Per 100	Per 1000
WEIGELA			
(Red Weigela)			
6 to 12 ins., C.,	\$2.00	\$15.00	
12 to 18 ins., C.,	2.50	20.00	
18 to 24 ins., C.,	3.00	25.00	
12 to 18 ins., well-br.,	3.50	30.00	
18 to 24 ins., well-br.,	4.00	35.00	
2 to 3 ft., well-br.,	5.00	45.00	
3 to 4 ft., well-br.,	6.00	55.00	
WEIGELA NANA VARIEGATA			
Variegated leaf, pink flowers.			
6 to 12 ins., C.,	1.00	5.00	\$ 40.00
12 to 18 ins., C.,	1.50	6.00	50.00
12 to 18 ins., well-br.,	3.00	25.00	200.00
18 to 24 ins., well-br.,	3.50	30.00	250.00
2 to 3 ft., well-br.,	4.00	35.00	

ORNAMENTAL AND SHADE TREES

	Per 10	Per 100	Per 1000
ACER DASYCARPUM (saccharinum)			
(Silver Maple)			
6 to 12 ins., S.,	\$ 1.50	\$ 10.00	
12 to 18 ins., S.,	2.00	15.00	
18 to 24 ins., S.,	2.50	20.00	
2 to 3 ft., S.,	3.00	25.00	
3 to 4 ft., S.,	3.50	30.00	
4 to 5 ft., S.,	4.50	40.00	
4 to 5 ft., T., well-br.,	\$ 5.00	40.00	350.00
5 to 6 ft., T., well-br.,	7.50	60.00	550.00
1/2 to 3/4-in. cal.,	10.00	80.00	700.00
3/4 to 1-in. cal.,	15.00	125.00	
10 to 12 ft., T., well-br.,	20.00	175.00	
11/2 to 2-in. cal.,	25.00	225.00	
12 to 14 ft., T., well-br.,	25.00	225.00	
2 to 2 1/2-in. cal.,	25.00	225.00	
ACER PLATANOIDES (Norway Maple)			
12 to 18 ins., S.,	1.50	10.00	90.00
18 to 24 ins., S.,	1.75	12.50	100.00
2 to 3 ft., S.,	2.25	17.50	150.00
3 to 4 ft., S.,	2.75	25.00	225.00
4 to 5 ft., whips.,	4.00	35.00	
5 to 6 ft., whips.,	5.00	45.00	
5 to 6 ft., T., well-br.,	25.00	225.00	
6 to 8 ft., T., well-br.,	27.50	250.00	
ACER PLATANOIDES FAASSEN'S RED-LEAVED			
(Faassen's Red-leaved Norway Maple)			
5 to 6 ft., T.,	30.00	250.00	
6 to 8 ft., T.,	40.00	350.00	
8 to 10 ft., T.,	50.00		
ACER PLATANOIDES SCHWEDLERI			
(Schwedler Maple)			
5 to 6 ft., T.,	22.50	200.00	
6 to 8 ft., T.,	27.50	250.00	
8 to 10 ft., T.,	32.50		
ACER PLATANOIDES GOLDSWORTH PURPLE			
(Goldsworth Purple Norway Maple)			
6 to 8 ft., T.,	37.50	350.00	
8 to 10 ft., T.,	40.00	375.00	

ACER PLATANOIDES SCHWEDLERI NIGRUM(Crimson King Maple)
(Plant Patent No. 735)

	Each Per 10	Per 100	Per 1000
7 to 8 ft., whips.,	\$3.25	\$30.00	\$275.00
8 to 9 ft., whips.,	3.50	32.50	300.00

ACER SACCHARUM (Sugar Maple)			
6 to 12 ins., S.,	\$ 3.00	\$ 25.00	
12 to 18 ins., S.,	4.50	40.00	

	Per 10	Per 100	Per 1000
ACER SACCHARUM, Continued			
18 to 24 ins., S.,	\$ 1.00	\$ 8.00	\$ 75.00
2 to 3 ft., S.,	1.50	12.50	
3 to 4 ft., T.,	10.00	90.00	
4 to 5 ft., T.,	15.00	125.00	
5 to 6 ft., T.,	17.50	150.00	
6 to 8 ft., T.,	22.50	200.00	
8 to 10 ft., T.,	30.00	250.00	
ALBIZZIA JULIBRISSIN			
(Silk Tree) (Mimosa)			
6 to 12 ins., S.,	.40	2.00	\$ 15.00
12 to 18 ins., S.,	.50	2.50	20.00
18 to 24 ins., S.,	.60	3.00	25.00
2 to 3 ft., S.,	.80	4.00	35.00
3 to 4 ft., 3-yr., S.,	1.50	10.00	
3 to 4 ft., T.,	4.00	35.00	
4 to 5 ft., T.,	5.00	45.00	
5 to 6 ft., T.,	6.00	55.00	
6 to 8 ft., T.,	10.00		
CATALPA BUNGEI double heads			
4 to 5 ft.,	20.00	175.00	
5 to 6 ft.,	22.50	200.00	
6 to 8 ft.,	30.00	275.00	
CATALPA SPECIOSA (Western Catalpa)			
6 to 12 ins., S.,	1.50	10.00	
12 to 18 ins., S.,	2.00	15.00	
18 to 24 ins., S.,	2.25	17.50	
3 to 4 ft., T.,	4.00	35.00	
4 to 5 ft., T.,	6.00	55.00	
5 to 6 ft., T.,	8.00	70.00	
6 to 8 ft., T.,	10.00	80.00	
8 to 10 ft., T.,	12.50	100.00	
CERCIS CANADENSIS (American Redbud)			
3 to 4 ft., T., br.,	4.00	35.00	300.00
4 to 5 ft., T., br.,	6.00	50.00	
5 to 6 ft., T., br.,	8.00	75.00	
6 to 8 ft., T., br.,	12.50	100.00	

CORNUS FLORIDA*
(White-flowering Dogwood)

6 to 12 ins., 1-yr., S.,	.40	2.50	20.00
12 to 18 ins., 1-yr., S.,	.50	3.00	25.00
6 to 12 ins., 2-yr., S.,	.50	3.00	25.00
12 to 18 ins., 2-yr., S.,	.60	4.00	35.00
18 to 24 ins., 2-yr., S.,	1.00	5.00	45.00
2 to 3 ft., 2-yr., S., br.,	2.00	15.00	100.00
3 to 4 ft., 2-yr., S., br.,	3.00	25.00	200.00
2 to 3 ft., 2-yr., T., br.,			
B.R.,	7.50	50.00	
3 to 4 ft., 2-yr., T., br.,			
B.R.,	10.00	75.00	
4 to 5 ft., 2-yr., T.,			
well-br., B.R.,	20.00	175.00	
5 to 6 ft., 2-yr., T.,			
well-br., B.R.,	25.00		

CORNUS FLORIDA RUBRA*			
(Pink-flowering Dogwood)			
6 to 12 ins.,	\$ 6.00	\$ 50.00	
12 to 18 ins.,	7.00	60.00	
18 to 24 ins.,	9.00	75.00	
2 to 3 ft., well-br.,	12.50	100.00	
3 to 4 ft., 2-yr.,			
well-br.,	17.50	150.00	
4 to 5 ft., 2-yr.,			
well-br.,	27.50	250.00	
5 to 6 ft., well-br.,	42.00	320.00	
Bloom Buds \$1.00 Extra per Tree 4 ft. and up			
*The Following Prices Are the Same for All B&B Dogwood			
Add 30c each to 2 to 3 ft. for B&B			
Add 50c each to 3 to 4 ft. for B&B			
Add 60c each to 4 to 5 ft. for B&B			
Add 80c each to 5 to 6 ft. for B&B			
Add \$1.00 each to 6 to 8 ft. for B&B			

FRAXINUS AMERICANA			
(White Ash)			
FRAXINUS LANCEOLATA			
(Green Ash)			
6 to 12 ins., S.,	1.25	\$ 10.00	
3 to 4 ft., S.,	3.25	30.00	
4 to 5 ft., S.,	4.00	35.00	
4 to 5 ft., T., br.,	5.50	50.00	
5 to 6 ft., T., br.,	7.00	65.00	
6 to 8 ft., T., br.,	8.00	80.00	
GINKGO BILOBA			
(Maidenhair Tree)			
6 to 12 ins., S.,	2.50	20.00	
12 to 18 ins., S.,	3.00	25.00	
18 to 24 ins., S.,	3.50	30.00	
2 to 3 ft., S.,	4.00	35.00	
18 to 24 ins., T.,	10.00	75.00	
2 to 3 ft., T.,	12.50	100.00	
3 to 4 ft., T.,	17.50	150.00	

GLEDITSIA SUNBURST LOCUST			
5 to 6 ft., br.,	45.50		
6 to 7 ft., br.,	57.00		
7 to 8 ft., br.,	65.00		
GLEDITSIA IMPERIAL LOCUST			
5 to 6 ft., T., br.,	45.50		
6 to 8 ft., T., br.,	50.00		
GLEDITSIA TRIACANTHOS INERMIS			
(Thornless Honey Locust)			
3 to 4 ft., T.,	7.50	50.00	
4 to 5 ft., T.,	10.00	70.00	
5 to 6 ft., T.,	15.00	125.00	
6 to 8 ft., T.,	20.00	175.00	
8 to 10 ft., T.,	30.00	250.00	

Continued on following page

ORNAMENTAL AND SHADE TREES, Continued

	Per 10	Per 100	Per 1000
KOELREUTERIA PANICULATA (Golden-Rain Tree) (Varnish Tree)			
6 to 12 ins., S.....	\$ 3.00	\$ 25.00	\$200.00
12 to 18 ins., S.....	4.00	30.00	250.00
18 to 24 ins., S.....	6.00	50.00	350.00
2 to 3 ft., S.....	7.50	60.00	
3 to 4 ft., S.....	8.00	90.00	
2 to 3 ft., T.....	12.50	100.00	
3 to 4 ft., T.....	15.00	125.00	
4 to 5 ft., T.....	17.50	150.00	
5 to 6 ft., T.....	20.00	175.00	
6 to 8 ft., T.....	22.50		

	Per 10	Per 100	Per 1000
LIQUIDAMBAR STYRACIFLUA* (Sweet Gum)			
6 to 12 ins., S.....	4.50	40.00	
12 to 18 ins., S.....	6.50	60.00	
18 to 24 ins., S.....	1.00	7.50	70.00
2 to 3 ft., S.....	1.25	10.00	
3 to 4 ft., S.....	1.50	12.50	
3 to 4 ft., T, br.....	10.00	75.00	
4 to 5 ft., T, br.....	12.50	100.00	
5 to 6 ft., T, br.....	15.00	125.00	
6 to 8 ft., T, br.....	17.50	150.00	
8 to 10 ft., T, br.....	20.00	175.00	

*Add 30c each to 2 to 3 ft. for B&B
 Add 50c each to 3 to 4 ft. for B&B
 Add 60c each to 4 to 5 ft. for B&B
 Add 80c each to 5 to 6 ft. for B&B
 Add \$1.00 each to 6 to 8 ft. for B&B
 Add \$2.00 each to 8 to 10 ft. for B&B

	Per 10	Per 100	Per 1000
LIRODENDRON TULIPIFERA* (Tulip Tree)			
6 to 12 ins., S.....	3.50	30.00	
12 to 18 ins., S.....	4.50	40.00	
18 to 24 ins., S.....	5.50	50.00	
2 to 3 ft., S.....	6.50	60.00	
3 to 4 ft., T.....	7.50	50.00	
4 to 5 ft., T.....	8.00	60.00	
5 to 6 ft., T.....	10.00	75.00	
6 to 8 ft., T.....	15.00	125.00	
8 to 10 ft., T.....	17.50	150.00	

*B&B prices the same as above for Sweet Gum.

**DUG WHILE IN TIGHT BUD AND
 STORED IN MODERN REFRIGERATED
 WAREHOUSE UNTIL YOU WISH
 PLANTS SHIPPED.**

MAGNOLIA SOULANGIANA NIGRA
(Iliflora) (Purple Magnolia)

	Per 10	Per 100
3 to 4 ft., B&B.....	\$35.00	\$300.00
4 to 5 ft., B&B.....	40.00	350.00

MAGNOLIA SOULANGIANA
(Saucer Magnolia)

	Per 10	Per 100
3 to 4 ft., B&B.....	35.00	300.00
4 to 5 ft., B&B.....	40.00	350.00
5 to 6 ft., B&B.....	50.00	450.00

MALUS FLOWERING CRAB APPLE

Varieties: Almey, Eleyi, Hopa

	Per 10	Per 100	Per 1000
2 to 3 ft., 2-yr., grafts, whips.....	\$ 3.00	\$ 25.00	
3 to 4 ft., 2-yr., grafts, whips.....	3.50	30.00	
4 to 5 ft., 2-yr., grafts, whips.....	4.50	40.00	
3 to 4 ft., 7/16-in. cal., 2-yr., grafts, br.....	6.50	60.00	
4 to 5 ft., 9/16-in. cal., 2-yr., grafts, br.....	8.00	75.00	
11/16-in. cal., 2-yr., grafts, br.....	12.00	100.00	

NYSSA SYLVATICA (Tupelo)

(Black Gum) (Sour Gum)

	Per 10	Per 100	Per 1000
6 to 12 ins., 2-yr., S.....	.75	5.00	\$ 45.00
12 to 18 ins., 2-yr., S.....	.85	6.50	60.00
18 to 24 ins., 2-yr., S.....	1.00	9.00	80.00

PLATANUS OCCIDENTALIS

(American Plane Tree) (Sycamore)

	Per 10	Per 100	Per 1000
6 to 12 ins., S.....	.30	1.75	12.50
12 to 18 ins., S.....	.40	2.00	15.00
18 to 24 ins., S.....	.60	3.00	25.00
2 to 3 ft., S.....	.80	5.00	35.00
3 to 4 ft., S.....	1.00	7.00	45.00
5 to 6 ft., T, well-br.....	7.50	60.00	
6 to 8 ft., T, well-br.....	10.00	75.00	
8 to 10 ft., T, well-br.....	12.50	100.00	

POPULUS NIGRA ITALICA

(Lombardy Poplar)

	Per 10	Per 100	Per 1000
6 to 12 ins., C.....	.40	3.00	20.00
12 to 18 ins., C.....	.50	3.50	25.00
18 to 24 ins., C.....	.60	4.00	30.00
2 to 3 ft., C.....	.70	5.00	40.00
3 to 4 ft., C.....	.80	6.00	50.00
4 to 5 ft., C.....	1.00	7.00	60.00
5 to 6 ft., 2-yr., C.....	1.50	10.00	75.00
4 to 5 ft., br.....	2.50	20.00	150.00
5 to 6 ft., br.....	3.00	25.00	
6 to 8 ft., br.....	4.00	35.00	
8 to 10 ft., br.....	6.00	50.00	

PRUNUS PERSICA (Amygdalus)

(Double-Flowering Peach)

	Per 10	Per 100	Per 1000
Colors:			
Double Red, Double White, Double White, Double Pink, Peppermint Stick, Redleaf			
12 to 18 ins., br.....	2.25	17.50	
18 to 24 ins., br.....	2.50	20.00	
24 to 30 ins., br.....	2.75	22.50	
5/16 to 7/16-in. cal.....	3.50	30.00	
7/16 to 9/16-in. cal.....	4.00	35.00	
9/16 to 11/16-in. cal.....	6.00	45.00	
11/16 to 1-in. cal.....	7.00	65.00	

PRUNUS (Purple-leaved Plum)

Varieties: Newport, Pissardi, Thundercloud

	Per 10	Per 100	Per 1000
12 to 18 ins.....	2.25	17.50	
18 to 24 ins.....	2.50	20.00	
24 to 30 ins.....	2.75	22.50	

PRUNUS, Continued

	Per 10	Per 100	Per 1000
30 to 36 ins.....	\$ 3.00	\$ 27.50	
9/16-in. cal.....	6.50	60.00	
11/16-in. cal.....	8.00	75.00	

QUERCUS NIGRA (aquatica)

(Water Oak)

	Per 10	Per 100	Per 1000
6 to 12 ins., S.....	1.00	7.50	\$ 60.00
12 to 18 ins., S.....	1.25	10.00	80.00
4 to 5 ft., well-br., T, B&B.....	20.00	175.00	
5 to 6 ft., well-br., T, B&B.....	25.00	225.00	
6 to 8 ft., well-br., T, B&B.....	40.00	375.00	
8 to 10 ft., well-br., T, B&B.....	60.00	550.00	

QUERCUS PALUSTRIS

(True Pin Oak)

Grown from selected northern seed.

	Per 10	Per 100	Per 1000
6 to 12 ins., S.....	1.50	7.50	60.00
12 to 18 ins., S.....	2.00	10.00	80.00
18 to 24 ins., S.....	2.50	12.50	100.00

QUERCUS PHELLOS

(Willow Oak)

	Per 10	Per 100	Per 1000
4 to 5 ft., well-br., T, B&B.....	20.00	175.00	
5 to 6 ft., well-br., T, B&B.....	25.00	225.00	
6 to 8 ft., well-br., T, B&B.....	40.00	375.00	

QUERCUS TEXANA

(Southern Red Oak)

	Per 10	Per 100	Per 1000
6 to 12 ins., S.....	1.00	7.50	60.00
12 to 18 ins., S.....	1.25	10.00	80.00
18 to 24 ins., S.....	1.50	12.50	100.00
2 to 3 ft., S.....	1.75	15.00	

ROBINIA PSEUDOACACIA

(Black Locust)

	Per 10	Per 100	Per 1000
4 to 5 ft., 2-yr., S.....	1.00	7.50	60.00
5 to 6 ft., 2-yr., S.....	1.25	10.00	75.00

SOPHORA JAPONICA

(Japanese Pagoda Tree)

(Chinese Scholar Tree)

	Per 10	Per 100	Per 1000
6 to 12 ins., S.....	1.25	10.00	90.00
12 to 18 ins., S.....	1.50	12.50	100.00
2 to 3 ft., T.....	3.00	27.50	
3 to 4 ft., T.....	5.00	47.50	

TAXODIUM DISTICHUM

(Bald Cypress)

	Per 10	Per 100	Per 1000
12 to 18 ins., S.....	1.25	10.00	
18 to 24 ins., S.....	1.50	12.50	
2 to 3 ft., S.....	2.00	17.50	
3 to 4 ft., S.....	3.00	27.50	

ULMUS PUMILA

(Chinese Elm)

	Per 10	Per 100	Per 1000
6 to 12 ins., S.....	.40	1.50	10.00
12 to 18 ins., S.....	.50	2.00	15.00
18 to 24 ins., S.....	.60	2.50	20.00
2 to 3 ft., S.....	.70	3.00	25.00
3 to 4 ft., S.....	.80	4.50	35.00

NUT TREES

CASTANEA MOLLISSIMA

(Chinese Chestnut)

	Per 10	Per 100	Per 1000
18 to 24 ins., 2-yr., S.....	\$ 5.50	\$ 40.00	
2 to 3 ft., 2-yr., S.....	10.00	75.00	
3 to 4 ft., 2-yr., S.....	12.50	90.00	
4 to 5 ft., 2-yr., S.....	15.00	100.00	
5 to 6 ft., 3-yr., br.....	17.50	125.00	
6 to 8 ft., 3-yr., br.....	20.00	150.00	

CORYLUS AVELLANA

(European Filbert) (Hazelnut)

	Per 10	Per 100	Per 1000
6 to 12 ins., 1-yr., S.....	\$1.00	\$ 8.00	\$ 60.00
12 to 18 ins., br., S.....	2.00	15.00	125.00
18 to 24 ins., br., S.....	3.00	20.00	150.00
2 to 3 ft., br., S.....	3.50	25.00	200.00
3 to 4 ft., br., S.....	4.00	35.00	300.00
4 to 5 ft., br., S.....	5.00	45.00	400.00

JUGLANS NIGRA

(Black Walnut)

	Per 10	Per 100	Per 1000
6 to 12 ins., S.....	1.00	5.00	40.00
12 to 18 ins., S.....	1.25	6.00	50.00
18 to 24 ins., S.....	1.50	8.00	

JUGLANS REGIA

(English Walnut)

	Per 10	Per 100	Per 1000
18 to 24 ins., S.....	\$10.00	\$ 75.00	
2 to 3 ft., S.....	12.50	100.00	
3 to 4 ft., S.....	15.00	125.00	

PECAN, STUART

	Per 10	Per 100	Per 1000
3 to 4 ft.....	20.00	175.00	
4 to 5 ft.....	22.50	200.00	
5 to 6 ft.....	25.00	225.00	
6 to 8 ft.....	27.50	250.00	

NOVEMBER 15, 1960

23

VINES AND CREEPERS

	Per 10	Per 100	Per 1000
AMPELOPSIS, PARTHENOCISSUS TRICUSPIDATA (Boston Ivy)			
6 to 12 ins., 1-yr., S.	\$ 10.00	\$ 75.00	
12 to 18 ins., 1-yr., S.	12.50	100.00	
CELASTRUS ORBICULATA (Oriental Bittersweet)			
CELASTRUS SCANDENS (American Bittersweet)			
6 to 12 ins., S.	\$ 0.40	3.00	25.00
12 to 18 ins., S. ....	.50	3.50	30.00
18 to 24 ins., S. ....	.60	4.00	35.00
2 to 3 ft., S. ....	.70	5.00	40.00
3 to 4 ft., S.	1.00	6.00	50.00
12 to 18 ins., T., br.	1.75	15.00	
18 to 24 ins., T., br.	2.50	20.00	
2 to 3 ft., T., br.	2.75	25.00	
PUERARIA HIRSUTA (Kudzu Vine)			
No. 1, crowns,			
2 and 3-yr., .....	.80	5.00	35.00
LONICERA HECKROTTI (Goldflame Honeysuckle)			
No. 1, 2-yr., C.	3.50	30.00	250.00
No. 2, 2-yr., C.	3.00	25.00	200.00
No. 3, 2-yr., C.	2.50	20.00	150.00
LONICERA JAPONICA HALLIANA (Hall's Japanese Honeysuckle)			
No. 1, 3-yr., T.	1.25	10.00	75.00
No. 1, 2-yr., T.	1.00	7.00	65.00
No. 2, 2-yr., T. ....	.40	6.00	55.00
No. 3, 2-yr., T. ....	.80	4.50	40.00
WISTARIA FRUTESCENS (American Wistaria)			
WISTARIA SINENSIS (Chinese Wistaria)			
6 to 12 ins., 1-yr., S. ....	.90	7.50	60.00
12 to 18 ins., 1-yr., S.	1.10	10.00	85.00
18 to 24 ins., 2-yr., S.	2.00	15.00	115.00
2 to 3 ft., 2-yr., S.	3.00	25.00	

CONIFEROUS EVERGREENS

	Per 10	Per 100	Per 1000		Per 10	Per 100	Per 1000
BIOTA ORIENTALIS AUREA NANA (Berckmans Golden Arborvitae)				JUNIPERUS EXCELSA STRICTA (Spiny Greek Juniper)			
12 to 15 ins., B&B... \$15.00 \$125.00				12 to 15 ins., B&B... \$15.00 \$125.00			
15 to 18 ins., B&B... 17.50 150.00				15 to 18 ins., B&B... 17.50 150.00			
18 to 24 ins., B&B... 20.00 175.00				18 to 24 ins., B&B... 20.00 175.00			
BIOTA ORIENTALIS BAKERI (Baker's Arborvitae)				JUNIPERUS GLAUCA HETZI (Hetz's Blue Spreading Juniper)			
BIOTA ORIENTALIS BLUECONE (Howard's Bluecone Arborvitae)				12 to 15 ins., B&B... 15.00 125.00			
BIOTA ORIENTALIS EXCELSA (Excelsa Arborvitae)				15 to 18 ins., B&B... 17.50 150.00			
18 to 24 ins., B&B... 15.00 125.00				18 to 24 ins., B&B... 20.00 175.00			
24 to 30 ins., B&B... 17.50 150.00				PICEA ABIES EXCELSA (Norway Spruce)			
30 to 36 ins., B&B... 20.00 175.00				15 to 18 ins., B&B... 17.50 150.00			
BIOTA ORIENTALIS BONITA (Bonita Arborvitae)				18 to 24 ins., B&B... 20.00 175.00			
12 to 15 ins., B&B... 12.50 100.00				THUJA OCCIDENTALIS (Woodward Globe Arborvitae)			
15 to 18 ins., B&B... 15.00 125.00				12 to 15 ins., B&B... 12.50 100.00			
18 to 24 ins., B&B... 17.50 150.00				15 to 18 ins., B&B... 15.00 125.00			
24 to 30 ins., B&B... 20.00 175.00				18 to 24 ins., B&B... 17.50 150.00			
JUNIPERUS CHINENSIS PFITZERIANA (Pfitzer Juniper)				24 to 30 ins., B&B... 20.00			
15 to 18 ins., B&B... 20.00 175.00				30 to 36 ins., B&B... 22.50			
18 to 24 ins., B&B... 22.50 200.00				THUJA OCCIDENTALIS PYRAMIDALIS (Pyramidal Arborvitae)			
JUNIPERUS COMMUNIS HIBERNICA FASTIGIATA (Columnar Irish Juniper)				24 to 30 ins., B&B... 20.00 175.00			
18 to 24 ins., B&B... 15.00 125.00				30 to 36 ins., B&B... 22.50 200.00			
24 to 30 ins., B&B... 17.50 150.00				3 to 4 ft., B&B... 25.00			
30 to 36 ins., B&B... 20.00 175.00				THUJA OCCIDENTALIS NIGRA (Dark Green American Arborvitae)			
3 to 4 ft., B&B... 22.50 200.00				24 to 30 ins., B&B... 17.50 200.00			

BROAD-LEAVED EVERGREENS

	Per 10	Per 100	Per 1000		Per 10	Per 100	Per 1000
BERBERIS JULIANAE (Wintergreen Barberry)				ILEX CRENATA HETZI (Hetz Holly) (Japanese)			
15 to 18 ins., B&B... \$17.50 \$150.00				12 to 15 ins., B&B... \$15.00 \$125.00			
18 to 24 ins., B&B... 20.00 175.00				15 to 18 ins., B&B... 17.50 150.00			
24 to 30 ins., B&B... 25.00				ILEX CRENATA ROTUNDIFOLIA (Round-leaved Holly) (Japanese)			
EUONYMUS FORTUNEI SARCOXIE* (Upright Euonymus radicans)				12 to 15 ins.,	12.50	100.00	
15 to 18 ins., B.R.... 7.00 65.00				15 to 18 ins.,	15.00	125.00	
18 to 24 ins., B.R.... 8.00 75.00				18 to 24 ins.,	17.50	150.00	
*Add 30c per plant for B&B.				24 to 30 ins.,	22.50	200.00	

INDIVIDUAL ROOT WRAPPING

We are pleased to advise that we now offer a complete service in individually root wrapping shrubs and trees. We have an "Economy Package" whereby we use green 30-30-30 Krinkle-Kraft waterproof paper affixing a color tag with planting instructions to each plant or we have an attractive colored waterproof foil bag for a most appealing package.

WRITE FOR ATTRACTIVE QUOTATIONS ON YOUR NEEDS

SPECIAL QUOTATIONS ON TRUCKLOAD LOTS

FOREST NURSERY COMPANY, INC.

McMinnville, Tenn.

Phone: 2133

J. R. Boyd, President

John T. Boyd
Vice-President

Hiram Stubblefield
Superintendent

Lowell Barnes
Asst. Superintendent

order now...

AND LET

STAR MINIATURE ROSES

MAKE NEW PROFITS FOR YOU!

here's why

1 An all-out advertising push in full color in the national consumer books will acclaim the merits of STAR Miniature Roses . . . Pixie Gold, Pixie Rose, Red Imp, Bo-Peep, Baby Gold Star, Cinderella, Midget, Pixie, Robin, Sweet Fairy, and Tinker Bell. Their beauty, hardiness, versatility, excitement, make them a "must-get" item for hundreds of your prospects.



2 Ordered now, STAR Miniature Roses can be forced for pot sales. They're a new, natural sales addition for Easter and throughout the spring.



3 STAR Miniature Roses can be planted outdoors in the spring where they will bloom right up until frost. They're winter hardy, too! . . . good reasons for your customers to buy in multiple quantities.

BRAND NEW

Star PIXIE GOLD (Pl. Pat. App. For)
Fine bright yellow bud, opens to a soft golden yellow. Grows to about 12".

Star PIXIE ROSE (Pl. Pat. App. For)
Finest deep pink available. Really double and free flowering. Fragrant, too. A compact plant of 10".

ALL NEW
SPECIAL OFFER
25 Pixie Gold
for one collection
\$42.50

COLLECTION A1
25 Pixie Rose
ea. for 3 collections
\$39.50

FAVORITE FOUR

The STAR Special
50 Red Imp—rich, unfading red
20 Bo-Peep—soft pink
for one collection
\$67.50

COLLECTION A2 (100 plants)
15 Baby Gold Star—golden yellow
15 Cinderella—cream-white
ea. for 3 or more collections
\$62.50

Order now! Free culture information, sales aids and large four-color poster shipped with each order.



The Conard-Pyle Co.

WEST GROVE 220, PA.
GROWERS OF FAMOUS STAR ROSES

TAXUS

In varieties,
certified for western shipment.

BULK'S NURSERIES, INC.

610 W. Montauk Hwy.
Babylon, N. Y.
Phone: MOhawk 9-4400

Smithburg-Manalapan Rd.
Freehold, N. J.
Phone: HOpskins 2-5500

Concord Grape Roots
Red Raspberry
Flowering Shrubs
Boston Ivy
Currants

IVAN R. CONGDON NURSERY
North Collins, N. Y.



When you look for Euonymus—
LOOK for the EMERALD!
CORLISS BROS., INC. Ipswich, Mass.

COMING EVENTS

MEETING CALENDAR

November 29 to December 1—New York State Nurserymen's Association, annual convention and trade exhibition, Concord hotel, Kiamesha Lake, N. Y.

November 30 to December 3—Plant Propagators Society, annual meeting, Manager hotel, Cleveland, O.

December 1 and 2—Nebraska Association of Nurserymen, annual convention, Cornhusker hotel, Lincoln, Neb.

December 1 and 2—Wisconsin Nurserymen's Association, annual meeting, Hotel Schroeder, Milwaukee, Wis.

December 5 and 6—Minnesota State Nurserymen's Association, winter meeting, Lowry hotel, St. Paul, Minn.

December 28—Connecticut Nurserymen's Association, annual meeting, Waverly Inn, Cheshire, Conn.

January 1 to 3, 1961—North Carolina Association of Nurserymen, annual short course, North Carolina State College union, Raleigh, N. C.

January 2 to 4, 1961—Western Association of Nurserymen, annual convention, Hotel Bellerive, Kansas City, Mo.

January 3 to 5—Indiana Association of Nurserymen, winter meeting, Purdue University, Lafayette, Ind.

January 4 to 6—Eastern Regional Nurserymen's Association, Inc., annual convention, Roosevelt hotel, New York, N. Y.

January 4 to 6—Indiana Arborists Association, winter meeting, Purdue University, Lafayette, Ind.

January 9 to 11—Northern Virginia Nurserymen's Association, short course, Fairfax, Va.

January 11 and 12—Maryland Nurserymen's Association, annual meeting, Baltimore-Sheraton Inn, Baltimore, Md.

January 12—Cuyahoga County Nurserymen's Association, annual meeting, Clark's Hanna restaurant, Cleveland, O.

January 12 and 13—New Jersey Association of Nurserymen, winter meeting, La Concha hotel, Atlantic City, N. J. A 1-day meeting will also be held January 26 in conjunction with farmers' week at Trenton, N. J.

January 12 to 14—Iowa Nurserymen's Association, winter meeting, Sheraton-Montrose hotel, Cedar Rapids, Ia.

January 15—National Landscape Nurserymen's Association, midwinter conference, Hotel La Salle, Chicago, Ill.

January 15 to 17—New York State Arborists Association, annual meeting, Cornell University, Ithaca, N. Y.

January 16—National Mail Order Nurserymen's Association, winter meeting, Hotel La Salle, Chicago, Ill.

January 16 to 18—Illinois State Nurserymen's Association, annual convention, Hotel La Salle, Chicago, Ill.

January 16 to 18—Washington State Nurserymen's Association, winter convention, Benjamin Franklin hotel, Seattle, Wash.

January 17 to 20—Ohio Nurserymen's Association, winter meeting and short course, Neil House, Columbus, O.

January 19—Kansas Arborists Association,

New England Nurserymen's Assn. GOLDEN ANNIVERSARY

February 7, 8 and 9, 1961

Hotel Kenmore, Boston, Mass.

Space available for advertising in Anniversary Yearbook—\$25.00 per page (4x8¾ ins.)

Sorry! Exhibit space limited to members.

For Exhibit Space Contact:

Jack Shore, J. Shore & Co., Chelsea 50, Mass.

Mail advertising copy to:

Erwin W. Whitham, Sec'y, 31 Crosby Rd., Manchester, Conn.

tion, annual meeting, Wareham hotel, Manhattan, Kan.

January 20—Western New York Nurserymen's Association, annual convention, Sheraton hotel, Rochester, N. Y.

January 22 to 24—Virginia Nurserymen's Association, Inc., annual convention, Hotel John Marshall, Richmond, Va.

January 23 to 25 — Kentucky State Nurserymen's Association, winter meeting, Kentucky hotel, Louisville, Ky.

January 24—Delaware nurserymen's short course, University of Delaware, Newark, Del.

January 24 and 25—Ontario Nurserymen's Association, annual convention and trade show, Sheraton-Connaught hotel, Hamilton, Ont., Canada.

January 24 to 26—Michigan Association of Nurserymen, annual convention, Hotel Pantlind, Grand Rapids, Mich.

January 25 and 26—Connecticut Nurserymen's Association, ninth annual short course, University of Connecticut, Storrs, Conn.

January 25 and 26—Oregon Association of Nurserymen, annual convention, Multnomah hotel, Portland, Ore.

January 26 and 27—Colorado Nurserymen's Association, short course, Colorado State University, Fort Collins, Colo.

January 29 and 30—Tennessee Nurserymen's Association, annual convention, Mountain View hotel, Gatlinburg, Tenn.

January 29 to 31—National Arborists Association, annual convention, Statler-Hilton hotel, New York, N. Y.

PROPAGATORS' AGENDA

A tour of propagating areas in Cuyahoga and Lake counties will occupy members of the Plant Propagators Society during the first day of their 10th annual meeting, scheduled for November 30 to December 3 at the Manger hotel, Cleveland, O.
[Continued on page 28]



P. O. Box 1000

East Hartford, Conn.

Philadelphus virginialis	B. R.	B&B	Lonicera zabeli	B. R.	B&B
3 to 4 ft.	\$1.00	\$1.50	2 to 3 ft.	\$0.75	\$1.25
4 to 5 ft.	1.25	1.75	3 to 4 ft.	1.00	1.50
Lonicera tatarica alba			Forsythia Lynwood Gold		
2 to 3 ft.	.75	1.25	2 to 3 ft.	.55	1.10
3 to 4 ft.	1.00	1.50	3 to 4 ft.	.65	1.25
Spiraea vanhouttei			Viburnum tomentosum		
18 to 24 ins.	.45	.95	18 to 24 ins.	....	1.40
2 to 3 ft.	.55	1.10	2 to 3 ft.	....	1.75
Viburnum carlesi			Tree Peonies	1-yr.	2-yr.
18 to 24 ins.	....	2.00	Red, pink, white	..\$1.10	\$1.50

Nurseries at: Pigeon Hill Rd. Windsor, Conn.

MAXWELL, BOWDEN AND RICE, INC.

Growers of Fine Nursery Stock

WHOLESALE ONLY

Roses — Shrubs — Fruit Trees — Ornamentals — Vines — Hedge

Geneva, N. Y. — Phone: 8131

QUALITY NURSERY STOCK IN LANDSCAPE SIZES

SHADE TREES: Maple — Norway, Scarlet and Sugar, Niobe Weeping Willow and Pin Oak. Sizes on most shade trees are in the 2 to 5-in. cal. size.

EVERGREENS: Austrian Pine, up to 6 ft. **Hetz Juniper**, 18 to 24 ins. and 2 to 2½ ft.

Write for Price List.

BAKER'S NURSERIES

Hoosick Falls, N. Y.
Phone: 861

B & B EVERGREENS

ARBORVITAE

**HEMLOCK JUNIPER
TAXUS**

Nursery located north end of Broad Brook on Connecticut Highway No. 140.

Ask for Wholesale Price List

E. NORMAND MYERS

Nurseryman
Broad Brook, Conn.

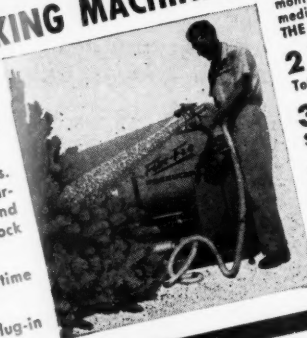
Make **FLOC-FLO** YOUR Headquarters for **EVERY FLOCKING NEED**

You'll Make More Money and Get Top Service and Faster Delivery!

All along the distribution line, everybody profits big when dealing with Floc-Flo! We originated ornamental-tree flocking, so we've had more experience with flocking machines and supplies than any manufacturer in the country! We know how to produce better for less... and pass these savings directly on to you! Compare our prices... compare our quality... compare our service... and you'll deal with FLOC-FLO, the leader!

FLOC-FLO PRODUCER FLOCKING MACHINES

- Brand New 1961 Model Flocks 8-Foot Tree in just 5 minutes! The only machine that will handle all types of flock!
- INSTANT CHANGE DUMP HOPPER holds 25 lbs. of flock. Its constant agitation feature is guaranteed to positively eliminate all bridging, and to supply a full, continuous, steady flow of flock at all times.
- For all colors... changes instantly, saves time and labor!
- No outside air supply needed... just plug-in and flock. (Adhesive requires air.)



WE HAVE FOUR PLANS TO OFFER YOU

- 1 SALE**—\$475.00 Cash with order. We pay freight. If machine does not meet with your approval after three months, send it back collect and we refund \$300.00 immediately, a new machine, or what you wish. **YOU'RE THE BOSS!**
- 2 RENT**—\$150.00 per three-month period—Only \$1.66 per day. Hose, flock gun and return freight \$25.00. Total \$175.00.
- 3 TIME PAYMENT**—(24 months)
\$475.00 Total Sale Price
\$175.00 Down Payment
\$300.00 Balance
24 monthly payments of \$12.75 each, interest and carrying charges included. Payments start Jan. 1, 1961.
- 4 TIME PAYMENT**—(5 seasonal payments—18 months)
\$475.00 Total Sale Price
\$175.00 Down Payment
\$300.00 Balance
Each payment \$62.00, including interest and carrying charge. You decide the schedule.

SPARKLE FLOC

The No. 1 material in use today. Breathtaking beauty. For use with adhesives.

	5 lbs.	25 lbs.	50 lbs.
White	lb. .80	lb. .70	lb. .60
Ice Blue	lb. .84	lb. .74	lb. .64
Chilly Pink	lb. .84	lb. .74	lb. .64

WHITE RAYON FLOCK: (Fire Retardant)	
5 lb. Bag or Box	\$ 6.25 each
10 lb. Bag or Box	10.00 each
25 lb. Bag	.80 per lb.
50 lbs. or over	.70 per lb.

COLORED RAYON FLOCK: (Fire Retardant)	
5 lb. Bag or Box	\$ 7.00 each
10 lb. Bag or Box	12.00 each
25 lb. Bag	.90 per lb.
50 lbs. or over	.80 per lb.
Colors: Red, Pink, Black, Chartreuse, Baby Blue, Turquoise, Christmas Green.	

WHITE CELLULOSE FLOCK: (Fire Retardant)	
25 lbs.	.40 per lb.
50 lbs.	.35 per lb.
100 lbs.	.29 per lb.
250 lbs.	.25 per lb.
500 lbs.	.23 per lb.
1,000 lbs.	.22 per lb.
2,000 lbs. or more	.20 per lb.

WHITE COTTON FLOCK	
25 lb. Bag	.65 per lb.
50 lbs. to 250 lbs.	.55 per lb.
251 lbs. to 999 lbs.	.35 per lb.
1,000 lbs. and up	.31 per lb.

QUALITY FLOCKING GUNS	
PGB-503, "DeVilbiss" Flock Spray Gun complete with 1 quart aluminum cup	\$42.00
PRODUCTION FLOCK GUN complete with 2 quart glass jar	\$20.95
VACUUM FLOCK GUN	\$ 3.95

Terms: 25% deposit with order... balance C.O.D. Net remittance with order saves you C.O.D. charges. All F.O.B. Chicago, Ill.

JACK FROST SPARKLES

10 lbs.	30 per lb.
25 lbs.	25 per lb.
50 lbs. or more	20 per lb.

GLASS TINSEL & GLITTER

	COLORS*	GOLD	SILVER
1 lb.	\$1.00 lb.	\$1.00 lb.	.90 lb.
5 lbs.	.90 lb.	.90 lb.	.85 lb.

*Colors: Red, Green, Blue, Light Blue, Purple, Cerise, Copper, Pink, Multi-Color, Chartreuse, Black.

ALUMINUM GLITTER

	COLORS*	GOLD	SILVER
1 lb.	\$1.75 lb.	\$1.75 lb.	\$1.75 lb.
5 lbs.	1.65 lb.	1.65 lb.	1.65 lb.

*Colors: Red, Green, Blue, Multi-Color.

GOLD & SILVER STARS

For highlighting flocked trees and centerpieces.
PER LB. \$5.00

FLAME STOP FIRE PROOFING AGENT

Per tree cost 5 cents per foot—sells for 25 cents per foot to your customer. Helps your green tree sales. Every order includes FREE Spray Unit for applying.

1.50 Per Gal.	50 Gal. Drums
2.00 Per Gal.	30 Gal. Drums

PERMANENT FLOCKING ADHESIVE

5 gallon lots	\$3.65 per gallon
50 gallon lots	2.65 per gallon

SNO STICK ADHESIVE—Flame Resistant

CONCENTRATED—NON DISCOLORING May be thinned 2½ to 1 with water.	
1.50 Per Gal.	50 Gal. Drums
2.00 Per Gal.	30 Gal. Drums
2.50 Per Gal.	5 Gal. Drums

2 GALLON ADHESIVE TANK

Allows non-stop flocking—no time wasted while filling cup or spray gun. EACH, \$39.50

HOSE for AIR or ADHESIVE

15 ft. with ¼" fittings. High pressure quality. EACH, \$5.25

ADHESIVE GUNS

TYPE P-JGA. Light weight, compact gun with internal mix type nozzle combinations best suited to heavier, slower drying materials. EACH, \$46.00

TYPE P-MBC. Heavy duty gun. Highly perfected ball and cone design of nozzle combinations plus knurled knobs for easy, complete control assure proper atomization, size, shape and spread of spray pattern. EACH, \$58.00

PORTABLE AIR COMPRESSORS

½ H.P.	\$107.75 each
1 H.P.	312.00 each

ELECTRIC TREE FLOCKING TURNTABLE



Makes 3 revolutions per minute. 18" table top. 150 lb. capacity. Grey finish. Enables you to get an even coat of flock on all sides of the tree. EACH, \$36.50

LIMITED QUANTITY OF 4, 6 and 7 ft. METAL TREES!
Ideal for flocking. ASK FOR OUR LOW PRICES!

POLYETHYLENE TUBES:

54" width x 7 ft. long @ 50c each in 50 bag lots.	55c each—less than standard pack.
30" width x 3 ft. long @ 35c each in 50 bag lots.	40c each—less than standard pack.
72" width x 8 ft. long @ 60c each in 50 bag lots.	65c each—less than standard pack.

"Wire Wonder"



26 Inch Christmas TREE STANDS
as low as 35c each

The most revolutionary on the market... takes just 2 minutes to mount a tree. Trade-tested and proved to be the best! Competitively priced!

36 stands	\$7.20 Doz.
37 to 108	6.00 Doz.
109 to 540	5.40 Doz.
541 to 1008	4.68 Doz.
1009 to 5004	4.20 Doz.

(F.O.B. Chicago)

12 in. "Wire Wonder" Tree Stands in lots of 72 or more (F.O.B. Chicago). \$3.00 Doz.

Send for NEW FREE BOOKLET
"20 Money Makers"

A booklet, giving complete details on how to make up the 20 most profitable items in the flocking business.

FLOC-FLO

CORPORATION

1043 W. Randolph St.

Dept. AM-1115

Chicago 7, Ill.

COMPARE

MIRACLE[®] Self-stick

FLOC

the FIRST...the BEST...with the Rest!

you'll be convinced this

PLUSH RAYON BLEND FLOC

(used with plain water ONLY...no adhesives)

MAKES MORE MONEY for YOU!

These New, Low Prices Let You Make More Money!

Whiter-Than-White,
Chilly Pink, Ice Blue

Quantity	Per Lb.
1 to 24 lbs.	\$1.00
25 lb. bag	.90
50 lbs.	.85
100 lbs.	.80
250 lbs.	.75
500 lbs.	.70
1000 lbs.	.65
2000 lbs. or more	.60

11 VIVID COLORS:

#2510 Green, #5510 Turquoise, #6540 Orange,
#6520 Rose Red, #6510 Scarlet, #3510 Black,
#4520 Gold, #6530 Vivid Pink, #2530 Lime,
#4510 Chartreuse, #5520 Sky Blue

Quantity	Per Lb.
1 to 24 lbs.	\$1.10
25 lb. bag	1.00
50 lbs.	.95
100 lbs.	.90
250 lbs.	.85
500 lbs.	.80
1000 lbs.	.75
2000 lbs. or more	.70

**FREE DEMONSTRATIONS
DAILY IN OUR CHICAGO PLANT!**

Terms: 25% deposit with order . . . balance C.O.D. Net remittance with order saves you C.O.D. charges. All F.O.B. Chicago. We are the No. 1 Manufacturers of flocking supplies and equipment . . . so we've had the most experience in producing top-quality products and are able to offer them at the lowest prices on the market! We invite comparison on quality and price. We sell direct from factory to you!

Here's Why:

SUPERIOR RESULTS

You get a thick, rich, luxurious, stand-up pile that your customers can see, feel, appreciate, want and buy! It has the quality-look . . . doesn't ball or mat-down, will not flake or drop off even under rough treatment, and the color stays lively longer! The result is so beautiful, so superior that people are glad to pay top prices! and you make more money!

YOU PAY LESS

Our research and development has resulted in a new, improved method of volume production. This method saves us money, and this saving is passed directly on to you in NEW, LOW PRICES! and you make more money!

BETTER COVERAGE

Because Floc-Flo was first by far to bring you this type of flock, we've had the most experience and more time to perfect it! This results in the best coverage per pound of any flock on the market! Coverage so good, in fact, that there's no waste, and you use 25% to 40% less than others, and make more money!

MORE PRODUCTION

Because this is a simple, easy, one-step operation it is faster to apply, saving you both time and labor! and you make more money!

EASIEST TO USE

You use just good old PLAIN WATER, no catalyst, no mixing, no nothing! You save on both the cost of adhesive, and the time it takes to clean your equipment from the sticky mess some adhesives cause, plus the slow-down in production . . . and you make more money!

"Miracle Self-Stick Floc" is always uniform, always free-flowing, not affected by humidity, heat or cold. Fire retardant! No toxic fumes, no mixing problems, no discoloration! Minimizes dust!

**"MIRACLE SELF-STICK FLOC" Is Sold To You
On A SATISFACTION GUARANTEED BASIS!**

Ideal for flocking METAL TREES, natural greens, boughs, wreaths, center pieces, etc.

FLOC-FLO

ORDERS SHIPPED
SAME DAY
AS RECEIVED!

CORPORATION

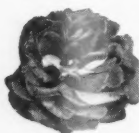
1043 W. Randolph St. DEPT: AM-1115 Chicago 7, Ill.



1961
"Best Sellers"
 These 3 New
Star
 Garden Roses

SIMONE...New, Different, Intriguing

Meet Simone . . . the newest and best yet of the lavender roses. Tremendous 6-inch blooms of cool, clear orchid-like color make Simone a "must" rose for every rose lover. Buds usually come singly on the stem. Bush grows to medium height with fine glossy foliage. H.T. (Mallerin.) Pl. Pat. 1847.



SUSPENSE

Winner of "The Most Beautiful Rose of France" Award for 1960. Here's a rose so new, so magnificent that it's destined to become a favorite. Giant blooms (up to 6 inches across) of rich red plush underlaid with soft, chamois-skin textured yellow can only be admired in astonishment. Suspense is a tall, vigorous grower with rich foliage and strong stems. H.T. (Meilland.) Pl. Pat. 1944.

Also new from Star Roses: Fascinating—Bi-Color H.T.; Vassar Centennial—Peach H.T.; and Polka—Double Pink Floribunda. Send direct to Conard-Pyle for 27" x 30" wall poster showing 16 Roses of Distinction in "Living Color."



INVITATION

A rose like Invitation comes along but rarely. When it does, it is an invitation for all to see, to admire, and to own. Invitation has large, robust blooms (up to 5 inches across) of rich, salmon-orange. The plant is beautifully compact and bushy. Add to this a lingering, spicy fragrance and you have a best seller. H.T. (Swim.) Pl. Pat. App. for.

ORDER FROM YOUR GROWER or write to:
 GROWERS OF THE FAMOUS STAR ROSES



The Conard-Pyle Co.

WEST GROVE 220, PA.

EXBURY HYBRID AZALEAS

Harvest Moon, Hotspur Red, Persil, Satan, Basilisk. 14 varieties in all. Lining-out and some budded stock in grafts and cutting grown. Also: Ghent and Mollis Azalea, Rhododendron, Acer dissectum, Fagus, in varieties, Clematis, Silver Lace.

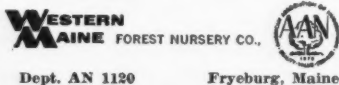
Complete Price List on Request

HOLLAND NURSERY PRODUCTS

P. O. Box 339, Madison Square Station
 New York 10, N. Y.

Hardy, Northern-Grown
 Guaranteed-to-Live
EVERGREEN
TRANSPLANTS
 and Seedlings
 for LINERS, Christmas Trees
 or Reforestation.

Write for Wholesale Price List.



Dept. AN 1120

Fryeburg, Maine

20 MILLION
TREES A YEAR!



Evergreen Seedlings—Transplants,
 Fruit and Shade Trees, Shrubs and
 Rhododendrons
 Free Christmas Tree Growers' Guide

MUSSER FORESTS Box 16-K Indiana, Pa.

I Want to Sell You PINE — SPRUCE — FIR

Fine well-graded seedlings and transplants at our special discount.

*The more you buy
 the more you save.*

Write for free price and discount list.

SAM DIBLE NURSERY
 Shelocta, Pa.

TAXUS CUTTING WOOD

Available in December

A. N. PIERSON, INC.
 Cromwell, Conn.

Though a completed program was not yet available, Secretary-treasurer Kenneth W. Reisch announced recently that the following topics and speakers will be presented on the remaining three days: (Meetings of the Plant Propagators Society are open only to members and invited guests; no one else will be admitted to the sessions.)

DECEMBER 1

Moderators: A. R. Buckley, Dominion Arboretum, Ottawa, Ont., Canada, and Dr. John Mahlstedt, Iowa State University, Ames.

President's address, by Harvey Templeton, Phytotektor, Winchester, Tenn.

"Compatibility Problems in Grafting and Budding Fruits and Ornamentals for Dwarfing Purposes," by Donald B. White, Iowa State University.

"Effects of Overfertilization on Container-grown Plants," by Dr. James D. Kelley, University of Kentucky, Lexington.

"Diseases in Propagation Beds," by Dr. Spencer H. Davis, Rutgers University, New Brunswick, N. J.

"Advantages of Banded or Potted Liners versus Bare-root Material"—panel discussion, with John B. Hill, D. Hill Nursery Co., Dundee, Ill.; George P. Blyth, Ontario, Canada; Richard Vanderbilt, Bridgeton, N. J.; and Gerald Verkade, Verkade's Nurseries, New London, Conn., panel members.

"Propagation Experiences in Bermuda," by Donald J. Moore, Hamilton, Bermuda.

"Evergreen Grafts under Plastic Covers," by Hans Hess, Hess' Nurseries, Wayne, N. J.

"Outside Green Grafting of Rhododendrons under Polyethylene," by David G. Leach, David G. Leach Greenhouse, Brooksville, Pa.

DECEMBER 2

Moderators: John B. Hill and Hugh Stevenson, Forrest Keeling Nursery, Elsbury, Mo.

"Establishment and Maintenance of Stock Blocks"—panel discussion, with Dr. F. L. O'Rourke, Michigan State University, East Lansing; Louis Vanderbrook, Vanderbrook Nurseries, Manchester, Conn.; and Richard Vanderbilt, Bridgeton, N. J., panel members.

"Effects of Various Mulch Materials and Methods"—panel discussion, with Dr. R. O. Miller, Ohio agricultural experiment station, Wooster; Harvey Gray, Long Island Agricultural and Technical Institute, Farmingdale, N. Y.; and Case Hoogendoorn, C. Hoogendoorn, Nurseryman, Newport, R. I., panel members.

"A Progress Report on Research in Root Initiation," by Dr. Charles E. Hess, Purdue University, Lafayette, Ind.

"Winter Propagation in Outside Frames with Electric Cables," by Dick Van Heiningen, Van Heiningen Nurseries, Deep River, Conn.

"Overwintering Softwood Cuttings under Controlled Temperature," by Vincent K. Bailey, J. V. Bailey Nurseries, St. Paul, Minn.

"Plant Propagators' Question Box," with Dick Van Heiningen, moderator.

DECEMBER 3

Moderators: Roy Nordine, Morton Arboretum, Lisle, Ill., and A. M. Schammarello, A. Schammarello & Son, South Euclid, O.

"Genus Viburnum," by Dr. Donald R.

IN THE NURSERY INDUSTRY, WINTERTIME IS

CONVENTION TIME

CONTACT 10,000 NURSERYMEN AT THEIR BUYING TIME

Important Issues Ahead!

You can reap big sales gains by presenting your advertising message to the nursery industry through prominent space in our January and February issues. Here's why. Thousands of nurserymen all over the country will be attending the winter meetings held in their area during the next two months. They will go there with two major objectives — to exchange ideas on mutual nursery problems and to place orders for their spring requirements. Wholesale nurserymen and suppliers planning to have representation at these meetings should announce this to the trade through an advertisement in the AMERICAN NURSERYMAN, so that nurserymen will know they can contact these representatives at that time. Those firms which will not be able to have representation at the meetings should also be prominently represented on the AMERICAN NURSERYMAN's advertising pages so their products and stock offerings will not be overlooked when these trade buyers are placing their spring orders.

TIMING PERFECT

The January 1 and January 15 issues reach the trade at the key period in the buying cycle. Activity is at its lowest point in the nursery industry at that time and nurserymen have ample time to weigh the merits of various products, to plan their needs for stock and supplies and to place their orders for these. This is the time to strike out after the trade's business in a big way.

Supply firms and manufacturers of equipment essential to nursery operations will find use of large space

in the January issues will focus readers' attention on their wares and start their year's selling program off with a bang. Growers of nursery crops will find inclusion of price lists very productive at this time—and, if copy reaches us a week before the closing date, reprints of the lists can be provided very inexpensively for the advertiser to distribute at the conventions and use as a mailing piece. Growers who do not wish to publish price lists should run a large institutional-type advertisement, pointing out special varieties they grow, special services they provide, the quality of their stock, etc.; such ads build prestige for the firm and help retain buyer loyalty.

HIGH READER INTEREST

Listed in this issue are meetings being held in January and February. To tell your sales story to our readers *before* they attend these meetings you will want to have your special ad in the issues preceding the date of the meeting. But you can also profit by prominent representation in the February 1 and February 15 issues, for these will carry reports of the meetings and will be especially of interest to those who were unable to attend. Those who did attend will be reading these later issues, too, in order to see what was accomplished by other state nurserymen's groups and obtain helpful information from the summaries of talks at these conventions.

Your well-timed sales presentation through display space in the AMERICAN NURSERYMAN can bring you a sizable share of the orders which will be placed by our 10,000 readers when the spring buying season gets under way.

NOTE CAREFULLY THESE CLOSING DATES:

JANUARY 1	issue closes	DECEMBER 9
JANUARY 15	issue closes	DECEMBER 23
FEBRUARY 1	issue closes	JANUARY 13
FEBRUARY 15	issue closes	JANUARY 27

MAIL YOUR INSTRUCTIONS NOW!

AMERICAN NURSERYMAN

• 343 S. Dearborn St. •

CHICAGO 4, ILL.

DOGWOODS

PINK DOGWOOD

4 to 8 ft., heavy plants

For Street or Park Planting

From 7 to 12 ft. high, 2 to 3-in. cal., branching at 4 ft., 5 ft. and 6 ft. Perfect trees, well headed, appropriate for street or park planting.

OTHER SPECIALTIES INCLUDE

JAPANESE HOLLIES

2 to 6 ft.

JAPANESE RED PINE

2 to 4 ft.

DOUGLAS FIR

2 to 4 ft.

ANDROMEDAS

Up to 3 ft.

BIRCH

4 to 12 ft.

CONCOLOR FIR

2 to 4 ft.

HEMLOCKS

2 to 3 ft.

YEWS

2 to 3 ft.

SIBERIAN

ARBORVITAE

2 to 4 ft.

Write for catalog.

IMPERIAL NURSERIES OF LONG ISLAND

Miller Place Rd. off Route 25A

Phone: Port Jefferson 8-0955

Miller Place, L. I., N. Y.

(4 miles past traffic circle—turn right at blinker.)

Egolf, United States National Arboretum, Washington, D. C.

"Propagation of Sciadopitys Verticillata," by Dr. Sidney Waxman, University of Connecticut, Storrs.

"Tolerances of Some Plants to Simazine," by Dr. L. C. Chadwick, Ohio State University, Columbus.

"Chemical Weed Control"—panel discussion, with Dr. L. C. Chadwick; John Newhouse, Bagatelle Nursery, Huntington, L. I., N. Y.; Dr. E. K. Alban, Ohio State University, and Dr. W. E. Chappell, Virginia agricultural experiment station, Blacksburg.

Speaker-exhibitor symposium.

Annual business meeting.

Annual banquet.

WISCONSIN DETAILS

According to the program recently released for the 1960 convention of the Wisconsin Nurserymen's Association, the sessions to be held December 1 and 2 at the Schroeder hotel, Milwaukee, Wis., are scheduled as follows:

DECEMBER 1

8:30 a. m.—Registration.

11 a. m.—President's welcome, by Ralph Petranek, president, Wisconsin Nurserymen's Association.

11:15 p. m.—"The Need for Better Trained Young Nurserymen," by Donald P. Watson, ornamental horticulture department, Michigan State University, East Lansing.

12:30 p. m.—Lunch.

"Sales and Selling," by Clifford Robedeaux, Robedeaux Realty, Milwaukee.

2 p. m.—Illustrated talk on European landscapes and nurseries, by Larry C. Wachtel, Wachtel Tree Science & Service Co., Wauwatosa, Wis.

3:15 p. m.—"Techniques of Selling and Planting the Average Home," by Harold J. Parnham, Robinson & Parnham, Des Moines, Ia.

7 p. m.—Cocktail hour at the Chalet on the Lake.

7:30 p. m.—Annual W. N. A. banquet, honoring Ernest Chambers, Wisconsin state entomologist.

9 p. m.—Entertainment and dancing.

DECEMBER 2

10:15 a. m.—Panel discussion on gen-

[Continued on page 34]

SPECIMEN ILEX CONVEXA

One of the largest blocks of hardy, northern-grown Ilex. Heavy, well-sheared plants with exceptionally good color. Prices are each per 100 (25 or more). Write for special quotation on large quantities.

2½ to 3 ft.	\$4.75
3 to 3½ ft.	5.75
3½ to 4 ft.	6.75
4 to 4½ ft.	9.00

ANGELICA NURSERIES

R. D. No. 1

Mohnton, Pa.

IF YOU'RE LOOKING FOR QUALITY EVERGREEN SEEDLINGS OR CUT CHRISTMAS TREES

Why not write today —

SCHROTH'S NURSERY

R. D. 2

Clymer, Pa.



BOULEVARD NURSERIES

Newport, R. I.

- Quality Nursery Stock
- Lining-Out Stock
- Root-Thru Plant Pots

NURSERY SALES, INC.

P. O. Box 295, 525 Stevens Ave.

Ridgewood, N. J.

Phone: GI 4-6848

Affiliate of Peninsula Nurseries, Inc.
Melfa, Va.

Landscape-size Evergreens, Azaleas,

Ornamental Trees and Plants

Specializing in heavy, quality,
lining-out stock.

Plant Quality Nursery Stock

Seedlings and Transplants

- Pines • Firs • Spruce • Hemlock
- Christmas Tree Stock • Nut Trees
- Ornamentals • Flowering Trees

Write for free catalog or call
Hopkins 5-5696



Pikes Peak Nurseries

Quality Nursery Stock For More Than 35 Years

801 Water St.

Indiana 1, Pa.

Growers of a general line
of nursery stock
Visitors welcome.

FAIRVIEW EVERGREEN NURSERIES

FAIRVIEW, Erie Co., PA.

For the Legitimate Nurseryman
Here's the best practical answer
To cut-rate chain-merchandising

A HEALTHY, THRIVING PLANT GROWING IN A STURDY Cloverset Pot

DEVELOPED 30 years ago to combat cut-rate competition during depression days, the CLOVERSET POT is still the nurseryman's best answer to chain store merchandising. Why worry about meeting price competition? You can make more money selling the quality-conscious market we can assure you still exists.

MAKE MORE MONEY—SELL QUALITY. A thriving plant properly planted by a professional nurseryman, growing in its own Cloverset Pot, not only makes an attractive display, but you can safely stake your own reputation on its satisfaction to the customer . . . something your price-cutting chain store competitors find it difficult to do. CLOVERSET pots make your quality story believable, your customers easy to convince they're getting the finest.

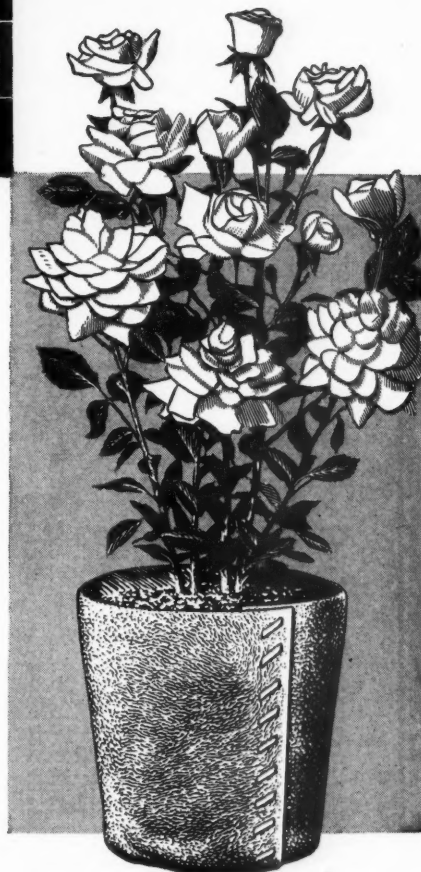
INCREASE CASH-AND-CARRY BUSINESS. Your customers will find mass displays of CLOVERSET potted plants so beautiful, so convenient to select from, the plants so easy to handle, they'll simply be unable to resist those extra purchases. Profitable cash-and-carry business should increase from the day you start using CLOVERSET pots.

PLAN NOW for Extra Profits This Spring!

Don't put it off! Decide to make more money this year. Just any old disposable pot won't do this merchandising job . . . there's more to it than that **FOR COMPLETE INFORMATION FREE, send the coupon.**

SIZES FOR EVERY NEED: Roses, Perennials, Shrubs and Young Trees.

Size	Height	Top Diam.	Nearest Clay Pot	No. in Carton	WEIGHT Per 1000	F.O.B. Kansas City		Cloverset Pot Prices
No.						Per 100	Per 1000	
No. 0	5½ ins.	5 ins.	6 ins.	200	210 lbs.	\$4.25	\$40.00	F.O.B. Kansas City.
No. 1	6½ ins.	6 ins.	7 ins.	100	340 lbs.	5.25	50.00	
No. 2	9½ ins.	7 ins.	8 ins.	100	535 lbs.	5.75	55.00	
No. 3	9 ins.	8 ins.	9 ins.	100	600 lbs.	6.25	60.00	
						25 pots, \$7.70; 50 pots, \$14.60; 75, \$21.75; 100, \$26.15; 1000, \$231.00.		
No. 4	13 ins.	12 ins.	....	25	Per 100 133 lbs.			



HERE'S WHY CLOVERSET POTS ARE SUPERIOR TO OTHERS . . .

- 1 Lasts a full year or more in the sales frame.
- 2 Contains roots safely within the soil ball; permits transplanting any time.
- 3 Has adequate bottom opening for good drainage without waterlogging; no gravel necessary.
- 4 Rests on wide bottom; no blowing over in the frames.
- 5 Available in sizes to accommodate stock of any salable size.
- 6 Is neat and uniform in appearance, an asset to the sales area.
- 7 Tough enough to permit easy handling in potting shed and frame.
- 8 Easy for customers to remove—at once, a week later or even a month after they take stock home.
- 9 Lightweight (but with all these qualities) to save on freight costs.
- 10 . . . and sufficiently low priced so that it may be given away with the plant.

SEND THIS COUPON for a sample set of Cloverset Pots

☐ I enclose 50c; send sample set of Cloverset pots (limit, one set).

☐ Send information FREE on how to use Cloverset pots for greater profits!

NAME
 FIRM
 ADDRESS
 CITY..... ZONE....STATE.....



Dept. AN 110,
 10550 Wornall Rd.
 Kansas City 14, Mo.

FINISHED STOCK Continued

	Each 25 or more		Each 25 or more		Each 25 or more
<i>Acer palmatum atropurpureum</i> seedlings (Japanese Red-Leaved Maple)		<i>Crape Myrtle, Wm. Toovey</i>		<i>Magnolia soulangiana</i>	
12 to 18 ins., B&B	\$1.00	18 to 24 ins., B&B	\$0.90	2 to 3 ft., B&B	\$1.75
18 to 24 ins., B&B	1.50	2 to 3 ft., B&B	1.00	3 to 4 ft., B&B	2.25
2 to 3 ft., B&B	1.75			4 to 5 ft., B&B	2.75
<i>Barberry, Red-Leaved</i>		<i>Cydonia japonica</i>		5 to 6 ft., B&B	3.25
12 to 18 ins., B&B	1.00	18 to 24 ins., B&B .....	.90	<i>Magnolia soulangiana nigra</i>	
18 to 24 ins., B&B	1.25	2 to 3 ft., B&B	1.00	18 to 24 ins., B&B	1.25
<i>Cornus florida</i>		(Deduct 50% if wanted B.R.)		2 to 3 ft., B&B	1.50
2 to 3 ft., B&B	1.00	<i>Hypericum patulum</i> (St.-John's-wort or sundrops)		<i>Magnolia stellata</i>	
3 to 4 ft., B&B	1.40	18 to 24 ins., B&B	1.00	15 to 18 ins., B&B	1.25
4 to 5 ft., B&B	2.00	2 to 3 ft., B&B	1.25	18 to 24 ins., B&B	1.50
5 to 6 ft., B&B	2.75	(Deduct 50% if wanted B.R.)		2 to 3 ft., B&B	2.25
<i>Cornus florida rubra</i>		<i>Lonicera, Flaming Beauty</i>		3 to 4 ft., B&B	2.50
18 to 24 ins., B&B	1.25	12 to 18 ins., B&B .....	.85	<i>Spiraea reevesiana flore-pleno</i>	
2 to 3 ft., B&B	1.50	18 to 24 ins., B&B	1.00	3 to 4 ft., B&B	1.00
				4 to 5 ft., B&B	1.25

LINING-OUT STOCK

	Each Per 100	Each Per 1000		Each Per 100	Each Per 1000
All potted liners in this list will be shipped in paper cups or pots without extra charge. Orders for 25 to 249 of a variety in one size take the 100 rate. Orders for 250 or more of a variety in one size take the 1000 rate.			<i>Abelia grandiflora</i>		
			2 1/4-in. pots	\$0.15	\$0.14
			2 1/2-in. pots .....	.16	.15
			<i>Berberis julianae</i>		
			2 1/4-in. pots .....	.17	.16
			2 1/2-in. pots .....	.18	.17
			<i>Buxus japonica</i>		
			2 1/4-in. pots, heavy .....	.11	.10
			2 1/2-in. pots, heavy .....	.12	.11
			<i>Cleyera japonica</i> (Ternstroemia)		
			2 1/4-in. pots, 1-yr. ....	.16	.15
			2 1/2-in. pots, 2-yr. ....	.18	.17
			<i>Cleyera ochnacea</i>		
			2 1/4-in. pots .....	.17	.16
			2 1/2-in. pots .....	.19	.18
			3-in. pots .....	.21	.20
			<i>Elaeagnus fruticand</i>		
			2 1/4-in. pots .....	.13	.12
			2 1/2-in. pots .....	.15	.14
			<i>Euonymus microphyllus pulchellus</i>		
			2 1/4-in. pots .....	.16	.15
			<i>Euonymus radicans erectus</i>		
			2 1/4-in. pots .....	.10	.09
			<i>Hedera helix</i> (English Ivy)		
			2 1/4-in. pots .....	.13	.12
			2 1/2-in. pots .....	.16	.15
			<i>Gardenia fortunei</i>		
			2 1/2-in. pots .....	.16	.15
			<i>Ilex cornuta burfordi</i>		
			3-in. pots .....	.19	.18
			3 1/2-in. pots .....	.21	.20
			<i>Ilex cornuta femina</i>		
			2 1/4-in. pots .....	.13	.12
			2 1/2-in. pots .....	.15	.14
			<i>Ilex cornuta, male</i>		
			2 1/4-in. pots .....	.16	.15
			<i>Ilex crenata repandens</i>		
			<i>Ilex crenata buxifolia</i>		
			2 1/4-in. pots .....	.13	.12
			2 1/2-in. pots .....	.15	.14
			<i>Ilex crenata convexa bullata</i>		
			<i>Ilex crenata hetzi</i>		
			2 1/4-in. pots .....	.14	.13
			2 1/2-in. pots .....	.15	.14
			4x 6 ins., beds, well-br. ....	.14	.13
			6x 8 ins., beds, well-br. ....	.15	.14
			8x12 ins., beds, well-br. ....	.17	.16
			<i>Ilex crenata rotundifolia</i>		
			2 1/2-in. pots .....	.15	.14
			6x 8 ins., bed-grown, well-br. ....	.12	.11
			6x 8 ins., field-grown, ....	.16	.15
			8x12 ins., field-grown, ....	.18	.17
			<i>Ilex crenata, seedlings</i>		
			2-in. pots .....	.10	.09
			2 1/2-in. pots .....	.12	.11
			3x4 ins., bed-grown .....	.08	.06
			<i>Ilex opaca East Palatka</i>		
			2 1/4-in. pots .....	.13	.12
			2 1/2-in. pots .....	.14	.13
			<i>Ilex opaca femina</i>		
			2 1/2-in. pots .....	.18	.17
			<i>Ilex opaca Howard</i>		
			2 1/2-in. pots .....	.14	.13
			<i>Jasminum floridum</i>		
			2 1/4-in. pots .....	.10	.09
			<i>Laurel, Cherry</i>		
			2 1/4-in. pots .....	.14	.13
			2 1/2-in. pots .....	.15	.14
			<i>Ligustrum japonicum</i>		
			2 1/4-in. pots	\$0.11	\$0.10
			<i>Ligustrum lucidum compactum</i>		
			2 1/4-in. pots .....	.16	.15
			<i>Ligustrum texanum</i>		
			2 1/4-in. pots .....	.16	.15
			<i>Magnolia grandiflora</i>		
			2 1/4-in. pots .....	.14	.13
			2 1/2-in. pots .....	.15	.14
			3x4 ins., bed-grown seedlings .....	.06	.05
			<i>Nandina domestica</i>		
			2 1/4-in. pots .....	.11	.10
			2 1/2-in. pots .....	.13	.12
			3-in. pots .....	.16	.15
			<i>Osmanthus fortunei</i>		
			2 1/2-in. pots .....	.18	.17
			<i>Photinia dentatum</i>		
			2 1/4-in. pots .....	.15	.14
			2 1/2-in. pots .....	.16	.15
			<i>Photinia serrulata</i>		
			2 1/4-in. pots .....	.16	.15
			4x6 ins., bed-grown, ....	.04	.03
			seedlings .....	.06	.05
			6x8 ins., bed-grown, ....	.06	.05
			seedlings .....	.08	.07
			8x12 ins., bed-grown, ....	.08	.07
			<i>Pittosporum tobira</i>		
			2 1/4-in. pots .....	.11	.10
			<i>Pyracantha bellii</i>		
			2 1/4-in. pots .....	.19	.17
			2 1/2-in. pots .....	.20	.18
			<i>Pyracantha lalandi</i>		
			2 1/4-in. pots .....	.12	.10
			2 1/2-in. pots .....	.15	.14
			Strong rooted cuttings .....	.07	.06
			<i>Pyracantha yunnanensis</i>		
			2 1/4-in. pots .....	.16	.15
			<i>Viburnum tinus</i>		
			2 1/2-in. pots .....	.10	.09
			<i>Acer palmatum atropurpureum</i> , seedlings		
			2 1/4-in. pots .....	.21	.20
			4x6 ins., bed-grown .....	.13	.12
			6x8 ins., bed-grown .....	.16	.15
			<i>Barberry, Red-leaved</i>		
			2 1/4-in. pots .....	.11	.10
			2 1/2-in. pots .....	.13	.12
			<i>Cornus florida</i>		
			2 1/4-in. pots .....	.09	.08
			6x8 ins., bed-grown seedlings .....	.04	.03
			<i>Magnolia soulangiana</i>		
			3-in. pots .....	.26	.25
			<i>Sweet Gum</i> (Liquidambar)		
			6x8 ins., bed-grown, ....	.06	.05
			seedlings .....	.06	.05
			8x12 ins., bed-grown, ....	.07	.06
			seedlings .....	.07	.06
			<i>Slash Pine</i> (Pinus caribaea)		
			12x18 ins., bed-grown, ....	.06	.05
			seedlings .....	.06	.05
			18x24 ins., bed-grown, ....	.07	.06
			seedlings .....	.07	.06

(Varieties marked by (**) double asterisk
available in 2 1/4-in. pots only.)

SPECIAL NOTICE: Items marked by (*) asterisk will be available for delivery spring of 1961. All items not so marked are ready for immediate or later shipment to suit customer's requirements.

If interested in our container-grown stock, please write for price list.

T. G. OWEN & SON, INC.

Columbus, Miss.

RHODODENDRONS OWN ROOTS

Hardy Hybrid Liners — Spring 1961

REALISTIC REDUCTION IN PRICES — Possible only in a nursery that grows nothing else.

REDS—\$65.00 per 100

America
Caractacus
Charles Dickens

Dr. Dresselhuys
E. S. Rand
Ignatius Sargent

Mrs. C. S. Sargent
Nova Zembla
Van Wilgen's Ruby

Boule de Neige, white, dwarf, \$65.00 per 100

PINK, WHITE, LILAC and PURPLE—\$50.00 per 100

Everestianum
Gomer Waterer
Lee's Dark Purple
Mme. Masson

Catawbiense Album
Catawbiense
Grandiflorum
Parsons Gloriosum

Purple Splendor
Purpureum Elegans
Roseum Elegans
Roseum Superbum

Also 300 other varieties of exotic hybrids and rare species. Send for special list.

Above prices for 100 lots of any one variety. (Add 20% for smaller quantities.)

READY NOW—Same varieties as above, 6 to 8 ins., B&B, bedded August 1, \$1.00 each. (Minimum, 20 per variety.)

50% cash with order, please. 10% reduction for pickup at nursery. All orders F.O.B. our nursery. Crating and shipping at cost.

TUMBLE BROOK RHODODENDRON NURSERY

17 Simsbury Rd., West Hartford, Conn.

Phone: JACKSON 3-1460

PACHYSANDRA

Terminalis (Japanese Spurge). The ideal permanent evergreen ground cover plant for shady and semi-shaded areas in all climates. Does well in sunny areas, too. Absolutely winter hardy in the most northern climates.

	Per 100	Per 1000	5000 or more
Strong, well-rooted, 1-yr. plants; propagated in soil and peat frames with light shade. . . .	\$6.50	\$53.00	\$50.00

Prepaid F.O.B. here in same shipment Available for prompt shipment throughout the year. Shipments anywhere including Canada. **GOOD PACKING FREE.** A good source of supply.

PEEKSKILL NURSERY

Phone: Lakeland 8-5595
SHRUB OAK, N. Y.

WHOLESALE GROWERS

Seedlings—Transplants—Potted and Field Liners—Finished Stock
Taxus a specialty.

Complete catalog on request.

HEASLEY'S NURSERIES

247 Freeport Rd.
Butler, Pa.

ENGLISH BOXWOOD

Part of the charm of many old gardens is produced by the edgings of Old English Boxwood. Plant some in a bed 6x8 ins. and in a couple of years you will have a stock for your customers. Its appeal is irresistible. It can be transplanted now.

3 to 4 ins., T. \$10.00 per 100

Send for list of unusual plants.

ALANWOLD NURSERY
Neshaminy, Bucks Co., Pa.

HOLLIES

American - English - Oriental
Container-Grown

HOLLY HILL FARMS
Earlville, Md.

For Quality Stock RICKERT NURSERIES

Successor to Moon's
Established 1767
MORRISVILLE, PA.

SEEDLINGS

WHOLESALE ONLY

TRIM TREE NURSERY

R D 1 INDIANA PA

Please mention the **American Nurseryman** when writing advertisers

eral nursery topics, with Ralph Petranek, moderator.

12 p. m.—Lunch.

A. A. N. and W. N. A. business meetings, with election of officers and reports from the state department of entomology.

LAKE COUNTY NEWS

The Lake County Nurserymen's Association of Ohio will hold a regular meeting Tuesday evening, November 29, at Hellriegel's Inn, Painesville, O.

Dr. John T. Mahlstede, Iowa State University, Ames, will be guest speaker, and his subject will be "Storage, Packing and Shipping of Nursery Stock."

On the following evening, Wednesday, November 30, the Lake County Nurserymen's Association has extended an invitation to the Plant Propagators Society to be its guests at an oyster supper. Cosponsors of this event will be the Seward Transportation Co. of Painesville and the New Yorker Bag & Burlap Co. This affair will be held in the warehouse of Gerard K. Klyn, Inc., Hopkins road, Mentor, and Joseph Kern, Mentor rose grower, will be in charge of arrangements.

COLORADO SHORT COURSE

Dr. Richard P. White, executive vice-president of the American Association of Nurserymen, will be a guest speaker this year at the annual short course for nurserymen and arborists sponsored jointly by the Colorado Nurserymen's Association and Colorado State University. Stanley E. Brown, secretary-treasurer of the Colorado association, gives January 26 and 27 as the dates for the course, which will be held on the university campus at Fort Collins, Colo.

TENNESSEE CONVENTION

The picturesque Mountain View hotel, Gatlinburg, Tenn., in the Great Smoky mountains, will be the site for the annual convention of the Tennessee Nurserymen's Association. The dates were recently set as January 29 and 30, according to D. P. Henegar, executive secretary of the association. Bryan Howell, of Howell Nurseries, Knoxville, Tenn., is convention chairman.

OPENING its new roadside sales room, the Green Forest Nursery, Green Forest, Ark., has cut into a nearby hillside to provide parking facilities and will display container and B&B stock in sawdust beds in natural shade areas offered by large oaks on the nursery grounds.

PACIFIC COAST NURSERY

Rt. 1, Box 114B, PORTLAND 10, ORE.

Phone: MAYfair 1-3325

**Pioneering Seedling Growers on
the Pacific Coast Since 1914**

***Specializing in Fruit Tree Seedlings,
Shade and Flowering Trees***

**French and
Domestic Apple Seedlings,**
Str. and Br.

Bartlett Pear Seedlings,
Str. and Br.

French Pear Seedlings,
Str. and Br.

Calleryana Pear Seedlings,
Str.

Manchu Cherry Seedlings
(*Prunus tomentosa*)

Mahaleb Cherry Seedlings

Mazzard Cherry Seedlings

Myrobalan Plum Seedlings

American Plum Seedlings

**Angers Rooted Quince
Cuttings**

Combination carloads to eastern distributing points.

John Holmason & Sons
Props.

ROSES

From the finest growing areas:
CALIFORNIA — ARIZONA

All the Leading Patented and Standard Varieties
and A.A.R.S. Winners

Price Schedule of Standard Varieties

GRADE	Each 10 to 240	Each 250 to 990	Each 1000 to 2490	Each 2500 to 5000	Each Over 5000
No. 1	\$0.60	\$0.58	\$0.56	\$0.55	\$0.54
No. 1½ .....	.50	.48	.46	.45	.44

F.O.B. Moorestown, N. J.

Free individual labels—5x7-in. colored pictures, 5c each.

MOORESTOWN GARDENS, INC.

55 E. Oak Ave.

Moorestown (Burlington Co.), N. J.

(Exit 4 on New Jersey Turnpike)

We also have a fine lot of Wrapped and Potted ROSES.

A complete line of POTTED nursery stock:

Flowering Trees—Shrubs—Fruit Trees
also B&B Evergreens

PLEASE SEND FOR OUR LIST

CONTAINER-GROWN PLANTS

(Pickup Now)

60,000 to Pick from (Over 50 Varieties)

Acer palmatum	Enkianthus	Pyracantha
Ampelopsis	Euonymus	Rhododendron Hybrids
Aronia	Fagus sylvatica	Spirea
Azalea	Forsythia	Teuqua
Barberry	Hydrangea	Viburnum
Buxus	Hypericum	Vitex
Cotoneaster	Magnolia	Weigela
Cydonia	Pieris	Wistaria
Deutzia	Prunus	

Also a complete list of B&B Evergreen and Lining-Out Stock

VERKADE'S NURSERIES

P. O. Box 336

New London, Conn.

JOS. A. HREN NURSERIES

BLACK PINE

4 to 5-yr., heavy liners of our own compact strain.

8 to 10 ins., T., \$35.00 per 100

10 to 12 ins., T., \$50.00 per 100

LANDSCAPE-SIZE MATERIALS — Catalog

East Hampton, L. I., N. Y.

Phone: EA 4-0640

TREE PEONIES

Ready to Pot for Spring Sales
Ask for Wholesale Price List

VANDER POL TREE PEONY GARDENS

Fairhaven, Mass.

LINING-OUT STOCK

Seedlings, Rooted Cuttings
and Transplants

Write for list.

LEGHORN'S EVERGREEN NURSERY CO., INC.

50 Geer St.

Cromwell, Conn.

TAXUS LANDSCAPE SPECIMENS

Henryi, Browni, Cuspidata

Special price in ground.

BROOKFIELD GARDENS

Delaware, N. J.

LITTLE TREE NURSERIES

Rowley, Mass.

• Quality Landscape-Size Stock

• Hybrid Rhododendrons

• Taxus and others

A.A.N. Announces

"Plant America"

Award Winners

Of 1960 Contest

Recently announced by the American Association of Nurserymen were the award winners in the nation-wide eighth annual industrial and institutional landscaping and beautification competition for 1960. In addition to the national industrial and institutional awards and the regional institutional citations, two special awards were given this year for landscapes contributing to the beautification of downtown areas. A. A. N. representatives will make the formal presentations of the "Plant America" awards at state and regional meetings during the coming year.

In this list of award winners, the industrial or institutional establishment is given first, followed by the names of the landscape designer and the landscape nursery:

NATIONAL INDUSTRIAL AWARDS

Bonwit Teller, Manhasset, N. Y.—Landscape Associates, Glen Head, N. Y.
Dorr-Oliver Corp., Stamford, Conn.—Bye & Hermann, Rye, N. Y.—Woodcock Nurseries, Inc., Ridgefield, Conn.

International Business Machines Corp., Owego, N. Y.—Wilcox & Laird, Birmingham, Mich.—Monroe Landscape Service, Inc., Rochester, N. Y.

Libbey-Owens Ford Glass Co., Toledo, O.—Skidmore-Owings & Merrill, New York, N. Y.—The George T. Browning Co., Toledo, O.

Northland Center, Inc., Southfield, Mich.—Eichstedt-Johnson Associates, Detroit, Mich.—Charles F. Irish Co., Inc., Detroit.

Rhode Island Hospital Trust Co., East Greenwich, R. I.—Robinson, Green & Beretta, Providence, R. I.—Forest Hills Nurseries, Inc., Cranston, R. I.

Rockland Shopping Center, Mount Royal, Que., Canada—McFadzean & Everly Ltd., Montreal, Canada—E. Daccord Ltd., St. Laurent, Canada.

Sterling Forest Gardens, Tuxedo, N. Y.—Carl Van Empelen, Jr., BNT, Haarlem, Holland, and William A. Rutherford, Riverside, Conn.—Curtis Nurseries, Inc., Callicoon, N. Y., and Everett Conklin & Co., Inc., Westwood, N. J.

Whirlpool Corp., St. Joseph, Mich.—M. J. Hunziker & Sons, Niles, Mich.

NATIONAL INSTITUTIONAL AWARD

New Jersey Fellowship Fund for the Aged, Inc., Newark, N. J.—Goldberg & Rodler, Hempstead, N. Y.

REGIONAL INDUSTRIAL AWARDS

Carrousel Motel, Inc., Cincinnati, O.—Natorp Landscape Organization, Inc., Cincinnati.

Chain Belt Co., Milwaukee, Wis.—Carl Gerlach Co., Milwaukee.

East Kentucky Rural Electric Coopera-

[Concluded on page 40]

An Important Announcement to the Trade

A new product discovery that outdates all others

Already the word is getting around the trade that Cellusuede has something new — a "best seller" that's going to bring in more customers than any other advancement in flocking. Here, after rigorous testing, is Cellusuede Aqua-Spray Floral Flock with its own adhesive "strength," needing only water for application.

With Aqua-Spray Floral Flock you'll sell more trees and wreaths, as well as other floral pieces and decorations throughout the year. And with these dazzling, rich and vibrant colors that stay fresh after other flocks fade and discolor, you'll keep customers satisfied and loyal.

Be specific... ask for the newest and best... genuine Cellusuede Aqua-Spray Rayon Floral Flock. Order Today. Avoid Costly Delays. AVAILABLE FROM CELLUSUEDE PRODUCTS, INC., AND LEADING REPRESENTATIVES LISTED BELOW.



AVAILABLE IN 3 DAZZLING COLORS

"White Sno"
"Pale Pink"
"Icy Blue"

All 3 are Completely Flame-Proof

REPRESENTATIVES

S. L. Abbot Company
4555 District Blvd.
Los Angeles 58, Calif.
Phone: LUdlow 9-6211

Lloyd C. Thiel
19737 James Couzens Hwy.
Detroit 35, Mich.
Phone: BRoadway 3-0802

Buller Paper Co., Inc.
400 Eighth Ave.
New York, N.Y.
Phone: LOnacre 4-8178

Cellusuede's AMAZING AQUA-SPRAY RAYON FLORAL FLOCK

Just spray it on—it has its own built-in adhesive material that requires only water for application

- USE FOR ● CHRISTMAS TREES
● WREATHS
● ALL KINDS OF FLORAL PIECES

You'll save money in application costs because Cellusuede Aqua-Spray Floral Flock is quick and easy to apply uniformly and without waste. It has been developed and processed to flow freely and will not stick or clog in flocking equipment.



Cellusuede Products, Inc.

516 North Madison Street • Rockford, Illinois

Gentlemen:

Please send me samples and prices postpaid on your new Cellusuede Aqua-Spray Rayon Floral Flock. I understand there is no obligation.

Name.....

Street Address.....

City.....Zone.....State.....

Cartwright Nursery Co.

We have had a wonderful growing season, and we have available for the 1960-61 season the largest stock of top-quality evergreens that we have ever offered. We would be very happy to have you visit us at the nursery and see our stock growing in the fields. We are, at this time, using 2400 acres of good west Tennessee land to produce for you the very best in evergreens, and we think it would be worth your time to visit us if you are interested in the best stock available at very reasonable prices.

	Each	Each		Each	Each		Each	Each
	Per 10	Per 100		Per 10	Per 100		Per 10	Per 100
Dark Green American Arborvitae			Pfitzer Juniper			Variegata Juniper		
18 to 24 ins.	\$1.25	\$1.00	12 to 15 ins.	\$1.25	\$1.10	18 to 24 ins.	\$1.75	\$1.50
24 to 30 ins.	1.75	1.50	15 to 18 ins.	1.70	1.50	2 to 3 ft.	2.25	2.00
30 to 36 ins.	2.25	2.00	18 to 24 ins.	2.25	2.00	Densa glauca Juniper		
3 to 4 ft.	3.00	2.50	24 to 30 ins.	2.75	2.50	2 to 3 ft.	2.00	1.75
Compacta erecta Globe Arborvitae			Pfitzer Juniper, Blue			3 to 4 ft.	2.75	2.50
12 to 15 ins.	1.25	1.00	12 to 15 ins.	1.25	1.10	Hetzl glauca Juniper, staked		
15 to 18 ins.	1.50	1.25	15 to 18 ins.	1.70	1.50	2 to 3 ft.	3.00	2.75
18 to 24 ins.	1.75	1.50	18 to 24 ins.	2.25	2.00	3 to 4 ft.	4.00	3.75
24 to 30 ins.	2.25	2.00	Blue Vase Juniper			Chinese mascula Juniper		
30 to 36 ins.	2.75	2.50	15 to 18 ins.	1.70	1.50	3 to 4 ft.	3.25	3.00
Globe American Arborvitae			Pfitzer Juniper (Gold Tip)			4 to 5 ft.	4.25	4.00
12 to 15 ins.	1.25	1.00	15 to 18 ins.	1.70	1.50	Chinensis columnaris Juniper		
15 to 18 ins.	1.50	1.25	30 to 36 ins.	3.50	3.00	2 to 3 ft.	2.75	2.50
18 to 24 ins.	2.00	1.75	Pfitzer Compacta Juniper (Kallay)			3 to 4 ft.	3.75	3.50
24 to 30 ins.	2.50	2.25	12 to 15 ins.	1.25	1.10	Sylvestris Juniper		
30 to 36 ins.	3.00	2.75	15 to 18 ins.	1.70	1.50	3 to 4 ft.	2.25	2.00
Globe Parson's Compacta Arborvitae			18 to 24 ins.	2.25	2.00	Sabine Von Ehron Juniper, staked		
15 to 18 ins.	1.75	1.50	24 to 30 ins.	2.75	2.50	2 to 3 ft.	3.00	2.75
Siberian Arborvitae			Pfitzer Compacta Juniper (Niek's)			3 to 4 ft.	4.00	3.75
(Thuja wareana)			12 to 15 ins.	1.25	1.10	Scopulorum Blue Haven Juniper		
15 to 18 ins.	1.25	1.00	15 to 18 ins.	1.70	1.50	2 to 3 ft.	2.75	2.50
18 to 24 ins.	1.75	1.50	18 to 24 ins.	2.25	2.00	3 to 4 ft.	3.75	3.50
Pyramidal American Arborvitae			24 to 30 ins.	2.75	2.50	4 to 5 ft.	4.75	4.50
18 to 24 ins.	1.50	1.25	Pfitzer Nana Juniper (Armstrong)			Sparta Juniper		
24 to 30 ins.	1.75	1.50	12 to 15 ins.	1.25	1.10	2 to 3 ft.	2.75	2.50
30 to 36 ins.	2.50	2.25	15 to 18 ins.	2.25	2.00	Virginiana Juniper (Red Cedar)		
3 to 4 ft.	3.00	2.75	18 to 24 ins.	2.75	2.50	2 to 3 ft.	1.75	1.50
4 to 5 ft.	3.50	3.25	30 to 36 ins.	3.25	3.00	3 to 4 ft.	2.25	2.00
5 to 6 ft.	4.00	3.75	Manevi Juniper			4 to 5 ft.	3.00	2.75
Baker's Arborvitae			15 to 18 ins.	2.00	1.75	Virginiana burki Juniper		
24 to 30 ins.	1.35	1.10	18 to 24 ins.	2.50	2.25	2 to 3 ft.	2.75	2.50
30 to 36 ins.	1.60	1.35	Meyeri Juniper			3 to 4 ft.	3.75	3.50
Berckmans Golden Arborvitae			15 to 18 ins.	2.00	1.75	4 to 5 ft.	4.75	4.50
12 to 15 ins.	1.25	1.00	18 to 24 ins.	2.50	2.25	Virginiana Canadensis Juniper		
15 to 18 ins.	1.40	1.20	Repandens Juniper			2 to 3 ft.	2.75	2.50
18 to 24 ins.	1.75	1.50	15 to 18 ins.	1.25	1.10	3 to 4 ft.	3.75	3.50
24 to 30 ins.	2.25	2.00	18 to 24 ins.	1.75	1.50	4 to 5 ft.	4.75	4.50
Blue Cone Arborvitae			30 to 36 ins.	2.25	2.00	5 to 6 ft.	6.00	5.50
18 to 24 ins.	1.20	1.00	Sabina Juniper			Virginiana Dundee Juniper		
24 to 30 ins.	1.45	1.25	12 to 15 ins.	1.20	1.00	2 to 3 ft.	2.75	2.50
30 to 36 ins.	1.70	1.50	15 to 18 ins.	1.50	1.25	Virginiana glauca Juniper		
3 to 4 ft.	2.25	2.00	18 to 24 ins.	2.00	1.75	2 to 3 ft.	2.75	2.50
Bonita Arborvitae			Sabina horizontalis Juniper			3 to 4 ft.	3.75	3.50
15 to 18 ins.	1.35	1.20	15 to 18 ins.	1.70	1.50	Cupressifolia Juniper (Hillspire)		
18 to 24 ins.	1.70	1.50	18 to 24 ins.	2.25	2.00	3 to 4 ft.	3.75	3.50
24 to 30 ins.	2.25	2.00	Sabina tamariscifolia Juniper			4 to 5 ft.	4.75	4.50
30 to 36 ins.	2.75	2.50	15 to 18 ins.	1.75	1.50	5 to 6 ft.	6.00	5.50
Excelsa Arborvitae			Sabina Von Ehron Juniper			Virginiana keteleeri Juniper		
24 to 30 ins.	1.45	1.25	15 to 18 ins.	1.50	1.25	2 to 3 ft.	2.25	2.00
30 to 36 ins.	1.70	1.50	18 to 24 ins.	2.00	1.75	5 to 6 ft.	5.50	5.00
3 to 4 ft.	2.25	2.00	30 to 36 ins.	2.50	2.25	Fastigiata Juniper		
4 to 5 ft.	3.00	2.50	Sabina Von Ehron Juniper, globes			24 to 30 ins.	1.20	1.00
Fruitlandi Arborvitae			15 to 18 ins.	2.00	1.75	30 to 36 ins.	1.50	1.25
18 to 24 ins.	1.70	1.50	18 to 24 ins.	2.50	2.00	3 to 4 ft.	1.75	1.50
24 to 30 ins.	2.25	2.00	30 to 36 ins.	3.00	2.75	4 to 5 ft.	2.00	1.75
Mayhews Arborvitae			Sargent Juniper			5 to 6 ft.	2.25	2.00
30 to 36 ins.	1.70	1.50	12 to 15 ins.	1.25	1.10	6 to 8 ft.	3.50	3.00
3 to 4 ft.	2.25	2.00	Virginiana globosa Juniper			Cedrus atlantica		
Newark Arborvitae			15 to 18 ins.	2.75	2.50	2 to 3 ft.	1.75	1.50
24 to 30 ins.	1.45	1.25	18 to 24 ins.	3.50	3.25	3 to 4 ft.	2.75	2.50
30 to 36 ins.	1.70	1.50	Virginiana Juniper			4 to 5 ft.	3.75	3.50
3 to 4 ft.	2.25	2.00	15 to 18 ins.	1.50	1.25	5 to 6 ft.	4.75	4.50
4 to 5 ft.	2.75	2.50	18 to 24 ins.	2.00	1.75	Cedrus deodara		
Andorra Juniper			24 to 30 ins.	2.50	2.25	2 to 3 ft.	1.75	1.50
12 to 15 ins.	1.25	1.10	Ames Juniper			3 to 4 ft.	2.75	2.50
15 to 18 ins.	1.50	1.25	2 to 3 ft.	2.75	2.50	4 to 5 ft.	3.75	3.50
18 to 24 ins.	1.75	1.50	3 to 4 ft.	3.75	3.50	Chamaecyparis plumosa, green		
24 to 30 ins.	2.25	2.00	Excelsa stricta Juniper			2 to 3 ft.	2.00	1.75
30 to 36 ins.	2.75	2.50	12 to 15 ins.	1.15	1.00	3 to 4 ft.	2.50	2.25
Chinensis procumbens Juniper			15 to 18 ins.	1.35	1.20	4 to 5 ft.	3.25	3.00
12 to 15 ins.	1.25	1.10	18 to 24 ins.	1.75	1.50	Chamaecyparis plumosa aurea		
15 to 18 ins.	1.70	1.50	24 to 30 ins.	2.25	2.00	2 to 3 ft.	2.00	1.75
Golden Canadian Juniper			30 to 36 ins.	3.00	2.75	3 to 4 ft.	2.50	2.25
15 to 18 ins.	1.70	1.50	3 to 4 ft.	3.50	3.25	Austrian Pine		
Hetzl glauca Juniper			4 to 5 ft.	4.00	3.75	2 to 3 ft.	2.25	2.00
12 to 15 ins.	1.20	1.00	Chinensis Iowa Juniper			3 to 4 ft.	3.25	3.00
15 to 18 ins.	1.45	1.30	2 to 3 ft.	2.75	2.50	4 to 5 ft.	4.25	4.00
18 to 24 ins.	2.00	1.75	Nova Juniper			5 to 6 ft.	5.50	5.00
24 to 30 ins.	2.50	2.25	2 to 3 ft.	2.25	2.00	White Pine		
30 to 36 ins.	3.00	2.75	3 to 4 ft.	2.75	2.50	2 to 3 ft.	2.25	2.00
Hetzl glauca Juniper, globes			White Pine			3 to 4 ft.	3.25	3.00
15 to 18 ins.	2.00	1.75	2 to 3 ft.	2.25	2.00	4 to 5 ft.	4.25	4.00
18 to 24 ins.	2.50	2.00	3 to 4 ft.	2.75	2.50	5 to 6 ft.	5.50	5.00
24 to 30 ins.	3.00	2.50						

	Each Per 10	Each Per 100		Each Per 10	Each Per 100		Each Per 10	Each Per 100
<i>Abelia grandiflora</i>			<i>Ilex crenata repandens</i>			<i>Lonicera yunnanensis</i>		
2 to 3 ft.	\$1.25	\$1.00	12 to 15 ins.	\$1.25	\$1.00	15 to 18 ins.	\$1.20	\$1.00
<i>Anise (Illicium)</i>			15 to 18 ins.	1.50	1.25	18 to 24 ins.	1.50	1.25
2 to 3 ft.	1.50	1.25	18 to 24 ins.	2.00	1.75	<i>Loropetalum chinensis</i>		
3 to 4 ft.	2.25	2.00	24 to 30 ins.	2.25	2.00	15 to 18 ins.	1.15	1.00
<i>Barberry, julianae</i>			<i>Ilex crenata rotundifolia</i>			18 to 24 ins.	1.40	1.25
15 to 18 ins.	1.75	1.50	12 to 15 ins.	1.15	1.00	24 to 30 ins.	1.75	1.50
18 to 24 ins.	2.25	2.00	15 to 18 ins.	1.40	1.25	<i>Magnolia alexandrina</i>		
<i>Boxwood, harlandi</i>			18 to 24 ins.	1.65	1.50	4 to 5 ft.	3.75	3.50
8 to 10 ins. ....	.85	.75	24 to 30 ins.	2.25	2.00	<i>Magnolia glauca</i>		
10 to 12 ins.	1.15	1.00	30 to 36 ins.	3.00	2.75	2 to 3 ft.	1.75	1.50
12 to 15 ins.	1.40	1.25	3 to 4 ft.	4.00	3.50	3 to 4 ft.	2.25	2.00
15 to 18 ins.	1.65	1.50	<i>Ilex crenata rotundifolia, pyramids</i>			4 to 5 ft.	2.75	2.50
<i>Boxwood, sempervirens</i>			24 to 30 ins.	2.25	2.00	5 to 6 ft.	3.50	3.25
12 to 15 ins.	1.40	1.25	30 to 36 ins.	3.25	3.00	6 to 8 ft.	5.50	5.00
15 to 18 ins.	2.25	2.00	3 to 4 ft.	4.50	4.00	<i>Magnolia grandiflora</i>		
18 to 24 ins.	2.75	2.50	<i>Ilex glabra</i>			2 to 3 ft.	1.75	1.50
<i>Boxwood, welleri</i>			15 to 18 ins.	1.20	1.00	3 to 4 ft.	2.75	2.50
12 to 15 ins.	1.40	1.25	18 to 24 ins.	1.75	1.50	4 to 5 ft.	3.75	3.50
<i>Clayara japonica</i>			24 to 30 ins.	2.75	2.50	5 to 6 ft.	5.50	5.00
15 to 18 ins.	1.20	1.00	30 to 36 ins.	2.75	2.50	6 to 8 ft.	8.25	7.50
18 to 24 ins.	1.75	1.50	<i>Ilex opaca, seedlings</i>			<i>Magnolia rustica rubra</i>		
<i>Elaeagnus fruitlandi</i>			2 to 3 ft.	1.75	1.50	4 to 5 ft.	3.75	3.50
2 to 3 ft.	1.25	1.00	3 to 4 ft.	2.75	2.50	<i>Magnolia soulangiana</i>		
3 to 4 ft.	1.75	1.50	4 to 5 ft.	3.75	3.50	2 to 3 ft.	2.00	1.75
<i>Elaeagnus simoni</i>			5 to 6 ft.	5.50	5.00	3 to 4 ft.	2.75	2.50
2 to 3 ft.	1.25	1.00	<i>Ilex Croonenburg</i>			4 to 5 ft.	3.50	3.25
3 to 4 ft.	1.75	1.50	2 to 3 ft.	2.25	2.00	5 to 6 ft.	4.50	4.00
<i>Euonymus alatus compactus</i>			3 to 4 ft.	3.25	3.00	<i>Magnolia soulangiana nigra</i>		
18 to 24 ins.	1.50	1.25	4 to 5 ft.	4.25	4.00	3 to 4 ft.	2.75	2.50
24 to 30 ins.	1.75	1.50	5 to 6 ft.	5.25	5.00	<i>Magnolia stellata</i>		
<i>Euonymus coloratus</i>			<i>Ilex East Palatka</i>			18 to 24 ins.	2.00	1.75
18 to 24 ins.	1.25	1.00	2 to 3 ft.	1.75	1.50	2 to 3 ft.	3.00	2.50
24 to 30 ins.	1.50	1.25	3 to 4 ft.	2.75	2.50	3 to 4 ft.	4.50	4.00
30 to 36 ins.	2.25	2.00	4 to 5 ft.	3.75	3.50	<i>Nandina domestica</i>		
<i>Euonymus fortunei erectus</i>			5 to 6 ft.	5.50	5.00	15 to 18 ins. ....	.90	.75
15 to 18 ins.	1.25	1.00	<i>Ilex opaca fosteri</i>			18 to 24 ins.	1.20	1.00
18 to 24 ins.	1.50	1.25	2 to 3 ft.	2.25	2.00	24 to 30 ins.	1.50	1.25
24 to 30 ins.	1.70	1.50	3 to 4 ft.	3.25	3.00	30 to 36 ins.	1.75	1.50
<i>Euonymus japonicus</i>			4 to 5 ft.	4.25	4.00	<i>Nandina domestica, dwarf</i>		
18 to 24 ins.	1.15	1.00	5 to 6 ft.	5.25	5.00	15 to 18 ins.	1.15	1.00
24 to 30 ins.	1.70	1.50	<i>Ilex howardi</i>			18 to 24 ins.	1.40	1.25
30 to 36 ins.	2.25	2.00	2 to 3 ft.	2.25	2.00	<i>Osmanthus aquifolium</i>		
<i>Euonymus patens</i>			3 to 4 ft.	3.25	3.00	18 to 24 ins.	1.50	1.25
18 to 24 ins.	1.20	1.00	4 to 5 ft.	4.25	4.00	<i>Osmanthus fortunei</i>		
2 to 3 ft.	1.75	1.50	5 to 6 ft.	5.25	5.00	18 to 24 ins.	1.50	1.25
3 to 4 ft.	2.25	2.00	<i>Ilex Reynolds</i>			24 to 30 ins.	1.75	1.50
<i>Euonymus radicans,</i>			2 to 3 ft.	2.25	2.00	<i>Photinia serrulata</i>		
several selected types			3 to 4 ft.	3.25	3.00	18 to 24 ins.	1.20	1.00
15 to 18 ins.	1.20	1.00	4 to 5 ft.	4.25	4.00	2 to 3 ft.	1.75	1.50
18 to 24 ins.	1.50	1.25	<i>Ilex Taber</i>			<i>Viburnum burkwoodi</i>		
24 to 30 ins.	1.75	1.50	2 to 3 ft.	3.25	3.00	18 to 24 ins.	1.50	1.25
<i>Ilex cassine angustifolia</i>			3 to 4 ft.	4.25	4.00	24 to 30 ins.	1.75	1.50
3 to 4 ft.	3.50	3.00	4 to 5 ft.	5.25	5.00	30 to 36 ins.	2.25	2.00
4 to 5 ft.	4.50	4.00	5 to 6 ft.	5.25	5.00	3 to 4 ft.	2.75	2.50
<i>Ilex cornuta burfordi</i>			<i>Ilex vomitoria</i>			<i>Viburnum chenaulti</i>		
15 to 18 ins.	1.20	1.00	15 to 18 ins.	1.15	1.00	18 to 24 ins.	1.50	1.25
18 to 24 ins.	1.50	1.25	18 to 24 ins.	1.40	1.25	24 to 30 ins.	1.75	1.50
24 to 30 ins.	1.75	1.50	24 to 30 ins.	1.75	1.50	30 to 36 ins.	2.25	2.00
30 to 36 ins.	2.50	2.25	30 to 36 ins.	2.25	2.00	3 to 4 ft.	2.75	2.50
3 to 4 ft.	3.50	3.00	<i>Ilex vomitoria Pride of Houston</i>			<i>Viburnum juddi</i>		
<i>Ilex cornuta femina</i>			18 to 24 ins.	1.40	1.25	18 to 24 ins.	1.50	1.25
15 to 18 ins.	1.20	1.00	24 to 30 ins.	1.75	1.50	24 to 30 ins.	1.75	1.50
18 to 24 ins.	1.50	1.25	30 to 36 ins.	2.25	2.00	<i>Viburnum rhytidophyllum</i>		
24 to 30 ins.	1.75	1.50	<i>Ilex vomitoria, dwarf</i>			18 to 24 ins.	1.75	1.50
30 to 36 ins.	2.50	2.25	12 to 15 ins.	1.50	1.25	24 to 30 ins.	2.00	1.75
<i>Ilex cornuta rotunda</i>			<i>Jasmine, floridum</i>			30 to 36 ins.	2.50	2.25
12 to 15 ins.	1.50	1.25	15 to 18 ins.	1.20	1.00	3 to 4 ft.	3.25	3.00
<i>Ilex crenata convexa</i>			18 to 24 ins.	1.50	1.25	4 to 5 ft.	4.50	4.00
12 to 15 ins.	1.00	.80	2 to 3 ft.	1.75	1.50	<i>White Dogwood</i>		
15 to 18 ins.	1.25	1.00	3 to 4 ft.	2.75	2.50	2 to 3 ft.	1.20	1.00
18 to 24 ins.	1.75	1.50	4 to 5 ft.	3.75	3.50	3 to 4 ft.	1.75	1.50
24 to 30 ins.	2.25	2.00	5 to 6 ft.	5.00	4.50	4 to 5 ft.	2.25	2.00
<i>Ilex crenata hetzi</i>			6 to 8 ft.	5.00	4.50	5 to 6 ft.	3.50	3.00
12 to 15 ins.	1.20	1.00	<i>Laurel, English</i>			<i>White Dogwood (Cherokee Princess)</i>		
15 to 18 ins.	1.50	1.25	15 to 18 ins.	1.25	1.00	3 to 4 ft.	2.75	2.50
<i>Ilex crenata latifolia, pyramids</i>			18 to 24 ins.	1.50	1.25	4 to 5 ft.	3.75	3.50
18 to 24 ins.	1.75	1.50	2 to 3 ft.	1.75	1.50	<i>Pink Dogwood</i>		
24 to 30 ins.	2.25	2.00	3 to 4 ft.	2.75	2.50	2 to 3 ft.	1.75	1.50
30 to 36 ins.	3.25	3.00	4 to 5 ft.	3.75	3.50	3 to 4 ft.	2.75	2.50
3 to 4 ft.	4.50	4.00	5 to 6 ft.	5.00	4.50	<i>Live Oak, B&B</i>		
<i>Ligustrum lucidum (Black Wax)</i>			6 to 8 ft.	5.00	4.50	3 to 4 ft.	2.75	2.50
18 to 24 ins.	1.20	1.00	<i>Laurel, Zabeli</i>			4 to 5 ft.	4.00	3.50
24 to 30 ins.	1.50	1.25	15 to 18 ins.	1.20	1.00	5 to 6 ft.	5.50	5.00
30 to 36 ins.	1.75	1.50	18 to 24 ins.	1.75	1.50	<i>Silver Maple, B&B</i>		
<i>Ligustrum lucidum Suwannee River</i>			2 to 3 ft.	2.50	2.25	6 to 8 ft.	2.00	1.50
15 to 18 ins.	1.15	1.00	<i>Ligustrum lucidum</i>			8 to 10 ft.	2.50	2.00
18 to 24 ins.	1.40	1.25	18 to 24 ins.	1.15	1.00	10 to 12 ft.	3.00	2.50
24 to 30 ins.	1.65	1.50	24 to 30 ins.	1.40	1.25			
30 to 36 ins.	2.00	1.75	30 to 36 ins.	1.65	1.50			
				1.75	1.50			

CARTWRIGHT NURSERY CO. Collierville, Tenn. Phone: UL 3-2352
Highway 72-57, 10 miles east of Memphis

B&B TAXUS

in variety including:

DENSIFORMIS AND BROWN

Heavy sheared, transplanted or root-pruned frequently.

PINK DOGWOODS

Spaced 4 x 6 ft., root-pruned, sizes up to 10 ft.

Write for price list. All stock certified for western shipment. We would enjoy having you visit us and look over our stock.

CLINTON NURSERIES

Clinton, Conn.

Phone MONTrose 9-8611

Wholesale Only

LINING-OUT STOCK

In Wide Assortment

Acer atropurpureum Bloodgood, Azaleas, Berberis, Cornus florida rubra, Evergreens, Ilex, Magnolias, Hybrid Rhododendrons, Taxus, in variety, etc., in 1, 2 and 3-yr. transplants at competitive prices. Write for list on business stationery.

DEERFIELD NURSERIES

Deerfield, N. J.

EVERGREENS

300 acres of choice Evergreens ready for immediate resale

Write for list.

GARDNER'S NURSERIES, Inc.
ROCKY HILL, CONN.

HEMLOCK

Rhododendron • Kalmia • Azalea

CURTIS NURSERIES
CALLICOON, N. Y.

QUALITY STOCK GROWN BY US

Roses, Azaleas, Evergreens, California Privet, Green Barberry, Red Barberry (fine strain).

Seedlings and transplants.

DANEGGER'S HI-WAY NURSERY, INC.
P. O. Box 336 MILFORD, DEL.

"PLANT AMERICA" AWARDS

[Concluded from page 36]

tive Corp., Winchester, Ky.—Hillmeyer Nurseries, Lexington, Ky.

Fifteen Hundred Chicago avenue, Evanston, Ill.—Ralph N. Melin & Associates, Evanston—Wheeling Nurseries, Inc., Wheeling, Ill.

Thomas J. Lipton, Inc., Suffolk, Va.—Winn Nursery, Inc., Norfolk, Va.

Maryland State Fair, Inc., Laurel Race Course, Md.—George C. Green, New York, N. Y.—Ten Oaks Nursery & Gardens, Inc., Clarksville, Md.

Mead Johnson & Co., Evansville, Ind.—Miller, Wihry & Associates, Louisville, Ky.—Tillman Nursery, Newburgh, Ind.

The Miami News, Miami, Fla.—Weed-Johnson Associates, Miami—Mangus Landscape Nursery, Kendall, Fla.

The National Cash Register Co., golf clubhouse, Dayton, O.—Olmsted Bros., Brookline, Mass.—The Siebenthaler Co., Dayton.

Northern Westchester National Bank, Pound Ridge, N. Y.—Poundridge Nurseries, Inc., Pound Ridge.

Sheraton-Dallas hotel, Dallas, Tex.—Lambert Landscape Co., Dallas—Naud Burnett II, Dallas.

Toolcraft Products, Inc., Dayton, O.—The Siebenthaler Co., Dayton

SPECIAL DOWNTOWN BEAUTIFICATION AWARD

H. P. Bissell Co., Ridgefield, Conn.—George E. Tuoti Landscape Co., Ridgefield.

Federal Reserve Bank, Buffalo, N. Y.—Land O' Trees Nursery, Williamsville, N. Y.

ADVANCES IN ROSE GROWING

[Continued from page 12]

occur in most states and throughout the rest of the world. The species, or wild roses generally bloom only once a year, in spring, and so are not much used for landscaping. The first continuously flowering hybrid tea rose developed by rose hybridizers was La France, introduced in 1867.

Rose Classes

There are now six general classes of roses; hybrid tea, grandiflora, floribunda, polyantha, miniature and climbing-pillar. Peace is currently the favorite among hybrid tea roses. The new grandiflora class encompasses roses with smaller blooms than the average hybrid tea. This type of rose has a tendency to cluster, but with each stem suitable for cut flower purposes. Floribundas are characterized by even smaller-size blooms in clusters, with the flower stem relatively short. They are generally shorter plants than most hybrid teas, but a few have been known to be of larger size. The polyantha class has small blooms in definite clusters, and the bush is generally small in size. The climbing and pillar roses are the tallest or most spreading.

In the 1958 listing of rose varieties in "Modern Roses V" are 7,562 named varieties, in addition to 333

THE NEW TAXUS ANTHONY WAYNE

(Plant Patent No. 1617)

Well-established rooted cuttings from 2 1/4-in. pots, 6 to 8 ins., 50c.

2-yr., bedded transplants, 75c.

SEE OUR COLORED INSERT IN THE OCTOBER 1 ISSUE OF AMERICAN NURSERYMAN.

A complete list of lining-out stock on request.

HESS' NURSERIES

P. O. Box 128 Wayne, N. J.

CANADIAN HEMLOCK and BALSAM FIR

Northern-Grown

	Per 100 Per 1000
3 to 6 ins., S.....	\$ 3.00 \$ 17.50
6 to 9 ins., S.....	5.00 30.00
9 to 12 ins., S.....	9.00 70.00
12 to 18 ins., S.....	12.50 100.00
18 to 24 ins., S.....	30.00

Freshly collected. Well rooted. Puddled and packed in sphagnum moss. Catalog of plants, ferns, evergreens on request.

WILLIAM CROSBY HORSFORD
Charlotte, Vt.

LINERS

Taxus, 1 and 2-yr.; Hydrangea Hills of Snow, Cydonia japonica, Red-leaved Barberry, Forsythia Spring Glory, etc.

BROUWER'S NURSERIES

P. O. Box 25 New London, Conn.

GROWER OF ORNAMENTAL EVERGREENS

Taxus, Azaleas, Ilex, Magnolias, Pyracantha, Boxwood, Pieris, Viburnum, Flowering Crab Apple, Flowering Cherry, etc.

Price list sent on request.

WOODFERN NURSERY

Woodfern Rd. Neshanic Station, N. J.
Phone: FO 9-4284 - 4108

SHEPARD NURSERIES

Growers and Distributors of

ORNAMENTAL NURSERY STOCK

Truckloads only, no boxing.

60 acres growing. Skaneateles, N. Y.

DECIDUOUS AND EVERGREEN TREES AND SHRUBS

Outstanding assortment.

Write for Wholesale Price List.

LOVETT'S NURSERY, INC.
LITTLE SILVER, N. J.



ORIENTAL CHARM

NEW! EXOTIC ORIENTAL RED CAPTURED AT LAST!

Constance Elmer's spectacular addition to world-famed *Carrousel* and *Little Darling*

This brilliant Oriental Red Hybrid Tea is truly striking in glorious shades of red, from the true Oriental to dark velvety shades. 9 to 12 petals are edged by fire-red markings.

Many rosarians state this rose is the **most brilliant in color produced in many years.**

CARROUSEL—Very first of the grandifloras! With almost continuous scarlet (it blooms and blooms and blooms). Carrousel is unsurpassed as a show rose in the garden. It is happy in all areas, hot or cold, and free from disease. This rose has earned its high rating of 9.0. Carrousel comes in climbing form, too—with very long, strong canes and worlds of bloom.

LITTLE DARLING—So truly named . . . brilliant sunset. Pink buds are complete perfection as they unfold. It loves to be bushy and produces long stems which love to be free. We believe this is the loveliest of all floribundas. It is almost **perfect.**

Very long, graceful pointed buds open to a 4 to 5-in. radiant bloom. Spectacular as a show rose with strong, dark reddish-green stems, averaging 18 ins. to 24 ins. long. As a cut rose will keep beautifully from 3 to 4 days. Foliage is very dark, glossy and leathery; **free from mildew.** Plants are strong and vigorous, producing continuous bloom from early spring until late fall.

LADY LUCK—Not just another pink hybrid tea rose, but a very soft, warm pink—almost transparent at times—with the most **exotic** perfume. This rose brings reports from many areas—throughout the nation—that both intense heat and cold keep this rose happy.



"We think our customers are some of the nicest people in the world. You are cordially invited to JOIN all these nice folks!"

Constance Elmer

FREE—Write or wire today for 1960-1961 Wholesale Catalog and newest Price List. Order from your dealer TODAY.

ELMER ROSE COMPANY

Dept. AN. 4918 Arden Dr., Temple City, Calif.

Growers of Patented Bush, Floribunda, Climber and Tree Roses. Top-Quality, Northern California Field-Grown.



PRINCETON NURSERIES

1300 acres devoted to the production of the finest in ornamental plants.

Featuring shade and flowering trees in wide assortment.

Flowering shrubs, hedge plants, ground covers, evergreens, azaleas, vines, etc.

VISIT OUR NURSERY
SEND YOUR WANT LIST
WHOLESALE ONLY

PRINCETON NURSERIES

Princeton, N. J.
Phone: WA 4-1776

BOBBINK NURSERIES, INC.

Specialists in Coniferous and Broad-Leaved Evergreens, Shrubs and Trees.

586 Paterson Ave.
East Rutherford, N. J.
Phone: WEBster 9-0700

GROWING and SALES STATIONS
SHARON STATION near
HIGHTSTOWN and R. D. 3,
FREEHOLD (Smithburg
Section), NEW JERSEY.

Phone: HOPkins 2-2272

KOGUT

Florist and Nurseryman

Yale Ave. Meriden, Conn.

100 Acres of Choice Nursery
Stock Strictly Wholesale

Taxus	Magnolia
Hemlock	Dogwood
Pieris	Cotoneaster
Rhododendron	Pyracantha
Azalea	Viburnum

All Sizes
All Stock Certified for
Western Shipment
Write for Price List

PARMENTIER'S ROSES

119 Grady St. Bayport, L. I., N. Y.
Phone: BAYport 8-0811

Nursery Price List
Sent on Request

species, or wild types. Each year All-America Rose Selections, Inc., has 40 or 50 more varieties not yet introduced. It has 24 official and 12 demonstration test gardens throughout the United States, and one of them is located at Tyler.

Rose hybridizers raise some 10,000 different seedlings each year for each variety that proves worthy of introduction, so the odds against success in this endeavor are high, and this also somewhat explains the cost of some of the new rose varieties. New roses are also developed through natural and induced mutations, known as sports, but most of these are undesirable. Many climbing forms are the result of mutations of bush forms. Although few new rose varieties have come from Texas through hybridizing, many have been developed as a result of mutations. The fact that 25,000,000 rose-bushes are grown annually in the Tyler area gives much chance for mutation.

Color classes of roses were once limited to red, pink, yellow and white. Now the 2-tone or blend combinations are increasing, and there are even lavenders, grays and tans, or blends of these.

Rose Fragrance Sought

The American Rose Society is encouraging development of fragrance in roses and plans to award James Alexander Gamble rose fragrance medals from a grant of money to the society by the late Dr. Gamble to keep attention on rose fragrance.

Until the advent of Manzate, Dithane M-22 and Phaltan, earlier fungicides gave only partial disease control and left unsightly residues on the plants. The new sprays and dusts give nearly 100 per cent control of black-spot leaf disease and leave little noticeable residue. With adequate early-season treatment, these new fungicides can be utilized less often, but with good results. The main problem now is to use enough fungicide to overcome the action of frequent rainy periods without accumulation of toxicity from the chemicals. As little as three-fourths of a level teaspoonful per gallon of water is sufficient with Manzate and Dithane M-22, states Dr. Lyle. The new Karathane and Acti-dione PM sprays give better control, with added safety, over powdery mildew, a fungus disease likely to occur in spring and fall. Malathion and Lindane have replaced nicotine sulphate and arsenate of lead for control of most insects damaging roses. Aramite, Kelthane, Dimite and Tedion are good miticides now, whereas no

Brookfield Farms

Growers of Quality
Finished Landscape Material

TREES
SHRUBS
EVERGREENS

WHOLESALE ONLY

Ask for price list and visit our nursery at:

W. Whisconier Rd.

Off Rt. 25

Brookfield Center, Conn.

Telephone: Danbury SPring 5-9766

GRAFTING UNDERSTOCK

	100	1000
Acer Palmatum, T.	\$12.00	\$85.00
Acer platanoides	10.00	75.00
Cornus florida	10.00	75.00
Laburnum anagyroides ..	10.00	75.00
Picea abies, T.	10.00	85.00
Pinus strobus, T.	10.00	85.00
Pinus sylvestris, T.	10.00	85.00
Quercus robur, 2 1/4-in. pots	20.00	....
Thuja orientalis	8.50	75.00

For complete list of liners ready for fall delivery see the October 15 issue.

HESS' NURSERIES

P. O. Box No. 128 Wayne, N. J.

LINING-OUT STOCK

Taxus capitata, 2-yr., S.
Taxus, transplants, 2 to 4 yrs.
Boston Ivy, 1-yr., S.
Red Barberry, 2-yr., S.

Write for list.

PETER BROUWER'S NURSERIES

24 Lester St. New London, Conn.

NORTHERN-COLLECTED

Hemlocks, Ferns, Wild Flowers
Trees, Shrubs

ISAAC LANGLEY WILLIAMS
EXETER, N. H.

EVERGREEN SEEDLINGS

By the 100 or 1,000,000
Write for free price list.

CANALE'S FOREST NURSERY
Shelocta, Pa.

Phone: Elderton, FLetwood 4-2461

BE SURE **STRAWBERRY PLANTS** YOU BUY HAVE HIGHEST DEGREE OF FREEDOM FROM VIRUS AND OTHER DISEASES—Not just Advertised "Virus-free"

BUNTINGS' STRAWBERRY PLANTS

For immediate or later delivery as desired.
Grown in chemically treated soil; essentially free from disease and insects.

ALL VARIETIES will be supplied from indexed virus-free mother stock plants that were grown in our screenhouses. The production of planting stock inside our screenhouses assures Buntings' customers of receiving plants that are substantially free of virus and other diseases and insects. Give your customers the best by making Buntings' your headquarters for strawberry plants.

STANDARD JUNE BEARING

	(E) Early	(M) Midseason	(L) Late	
	25	50	100	250 1000
Albritton (M)	\$.70	\$1.20	\$1.85	\$4.10 \$12.50
Armore (M)	.70	1.20	1.85	4.10 12.50
Blakemore (E)	.60	.95	1.50	3.25 10.00
Catskill (M)	.70	1.20	1.85	4.15 12.75
Dixieland (E)	.65	1.10	1.75	3.90 12.25
Dunlap (E)	.60	.95	1.50	3.25 10.00
Earlildawn (E)	.75	1.30	2.00	4.40 14.00
Empire (M)	.70	1.20	1.85	4.10 12.50
Fairfax (E)	.70	1.20	1.85	4.15 12.75
Florida No. 90 (E)	.60	.95	1.50	3.25 10.00
Jerseybelle (L)	.95	1.75	3.25	7.00 25.00
Klondike (E)	.60	.95	1.50	3.25 9.00
Midland (E)	.75	1.30	2.00	4.40 14.00
Midway (M)	.75	1.35	2.10	4.70 15.00
Missionary (E)	.60	.95	1.50	3.25 9.00
Pocahontas (E)	.70	1.20	1.85	4.15 12.75
Premier (E)	.70	1.20	1.85	4.10 12.50
Redglow (E)	.75	1.30	2.00	4.40 14.00
Redstar (L)	.75	1.30	2.00	4.40 14.00
Robinson (M)	.65	1.10	1.75	3.90 12.00
Sparkle (M)	.70	1.20	1.85	4.15 12.75
Steelemaster (E)	.65	1.10	1.75	3.90 12.00
Surecrop (M)	.70	1.20	1.85	4.15 12.75
Tennessee Beauty (M)	.70	1.20	1.85	4.10 12.50
Tennessee Shipper (E)	.65	1.10	1.75	3.90 12.00
Vermilion (M)	.70	1.20	1.85	4.10 12.50

EVERBEARING VARIETIES

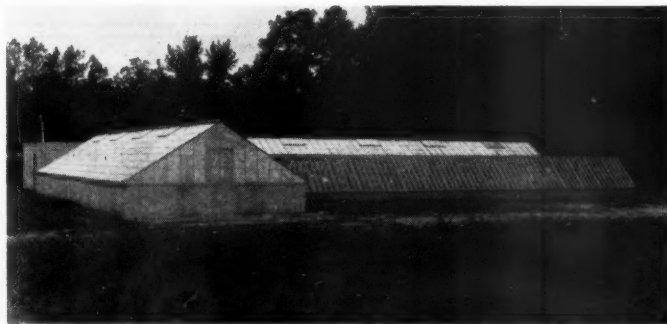
Gem	.85	1.50	2.75	6.25 21.00
Streamliner	.90	1.65	3.00	6.50 22.00
Superfection	.85	1.50	2.75	6.25 21.00

We will ship to you or direct to your customers under your shipping tags. All quotations listed above are F.O.B. Selbyville, Del.

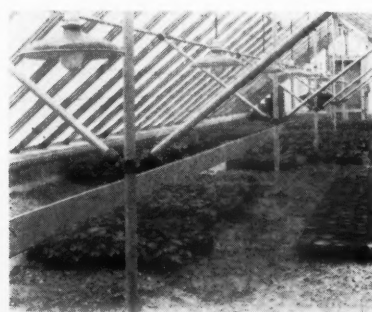
No extra charge is made for the package or packing of strawberry plants.

WRITE FOR SPECIAL PRICES ON LARGE NUMBERS
Prices quoted are for delivery whenever desired between November 15, 1960 and July 1, 1961.

BUNTINGS' virus and disease-free program involves the use of our special greenhouses and our own screenhouse plus chemical treatment of the soil in our growing fields and strict spraying and dusting schedules which complete a program requiring three years to produce highest-quality, disease-free plants. Since the cost of quality strawberry plants is minor compared to costs of producing the crop, it is important to get the best. Based on our own yield tests and those of the reports made by the United States Department of Agriculture, plants grown under our schedule produce up to 83 per cent more fruit also up to 40 per cent increase in size of fruit—hence a slight increase in cost of plants is many times overcome by the great increase in profits for you or your customers. DON'T SETTLE FOR PLANTS JUST ADVERTISED AS "DISEASE-FREE." KNOW THE HISTORY OF THEIR PRODUCTION.



A view of our greenhouse where disease and insect-free strawberry plants are started for our own planting stock.



Partial view of the interior of one of our greenhouses showing virus-indexed and breeding of strawberry plants.

Interior view of our screenhouse showing strawberry plants growing profusely under protective plastic screen. A location where insect carriers of virus and other diseases are unable to enter. Note healthy growth.

BUNTINGS' NURSERIES, INC.

Box 3

Selbyville, Del.



LINING-OUT STOCK HARDY ORNAMENTALS

CHOICE VARIETIES — FINEST QUALITY

We carry in season a very large selection of the best varieties (the real money-makers) in several grades, all of which are hardy here in northern New Jersey, as well as farther north. Our prices are right, and our quality and service are completely satisfactory. Quantity and pickup discounts are regularly given. Whether you write, phone or visit, we welcome your questions and the opportunity to help you with your lining-out requirements.

JOHN VERMEULEN & SON, Inc., NESHANIC STATION, N. J.

Growing Top-Quality Hardy Liners Exclusively since 1921

ORNAMENTAL EVERGREENS

Trees and Shrubs

BAGATELLE NURSERY, INC.

Box 196, Huntington Station, N. Y.

"A Friendly, Efficient Sales Service"

**E. D. ROBINSON
SALES AGENCY**

38 S. Elm St. P. O. Box 247
Wallingford, Conn.

*Representing Wholesale Growers
of Fine Nursery Stock.*

SERVING THE NURSERY TRADE FOR MORE
THAN A QUARTER OF A CENTURY.

See our large ad on pages 62 and 63
of the July 1 issue.

SMALL FRUIT PLANTS

Grapes

Currants

Berry Plants

Write for Wholesale Price List

FOSTER NURSERY CO., Inc.

69 Orchard St. FREDONIA, N. Y.

FRUIT TREES

STANDARD and DWARF
Write for wholesale list.

MALONEY BROS. NURSERY CO., INC.

Dansville, N. Y.

QUALITY LINERS

WILSEY EVERGREEN NURSERY

Corfu, N. Y.

Phone: East Pembroke 6411

Located Near Indian Falls

BLOODGOOD NURSERIES

Dept. American Nursery Co.

R. D. 1 Doylestown, Pa.

Established 1790

Growing a general line of nursery
stock.

Specializing in shade and orna-
mental trees.

Serving the Wholesale Trade

10%

DISCOUNT

For Fall Delivery

On 2-yr. RHODODENDRONS

(See Classified Ad)

WELLS NURSERY

P. O. Box 141 Red Bank, N. J.

W. T. SMITH CORP.

Offering a General Line of
Top-Quality Nursery Stock.

Daniel P. Quigley, Pres.

Established 1846

Geneva, N. Y.

DEL-MAR-VA NURSERIES

Growers of Quality
Taxus, Ilex and other Ornamentals.
Ask for list.

DEL-MAR-VA NURSERIES

LINCOLN, DEL.

Phone: Milford, Delaware 4445

EVERGREEN

Seedlings and Transplants

Growers of Spruce, Fir, Hemlock,
Juniper, Mugho Pine, etc.

Free Wholesale Price List

SUNCREST NURSERIES

Box 305-F

Homer City, Pa.

good control of red spider mites was to be had a few years ago.

According to Dr. Lyle, roses are not heavy feeders. In some of the best gardens, only one cup of concentrate complete fertilizer is added to the soil per 20 plants at any one application; even less is used in some field growing. Roses do require much water, especially when the bushes become large.

The commercial rose growers are now testing chemicals for weed control, and trials indicate that hoeing and other cultivation can be unnecessary to a large degree and weeding done by spray and dust compounds, but it will take time to prove these methods safe enough for field or home garden use.

Not much publicized is the fact that control of disease and retention of foliage give freeze resistance for the following winter, and this applies as much to roses in home gardens as to field production. Ten years ago it would have been satisfactory to control black spot at 50 per cent, but now it is possible to obtain 90 per cent or better control.

GARDENS AT STATE FAIR

Features of North Carolina's recent state fair were two full-scale garden exhibits displayed in the state fair arena by the North Carolina Association of Nurserymen, the horticulture department of the University of North Carolina and the North Carolina Flower Growers' Association. Simply designed by Godwin & Bell, landscape architects, Raleigh, the gardens were intended to demonstrate effects that the homeowner with limited space and modest means could reproduce on his own home grounds.

Magnolias, white pine, camellias, rhododendrons, Chinese and Japanese hollies and liriopie were the chief plant materials used in the exhibits. One of these, designed for rugged terrain, was a terrace garden with a wooden deck cantilevered over a pool crossed by concrete stepping-stones. The other demonstrated how the effect of a cool, quiet garden space could be quickly achieved on a newly graded, treeless site with plant materials, terrace paving, pools, screen fences and redwood benches. Representatives of the three sponsoring organizations were on hand in an information booth to answer questions about the garden plans and plantings.

NEW buildings were recently completed in an expansion program at Haws & Sons Nursery, Mesa, Ariz.



CHEROKEE CHIEF DOGWOOD

(Plant Patent No. 1710)

	1 to 9	10 to 29	30 to 100
12 to 18 ins., B. R.	\$1.15	\$1.10	\$1.00
18 to 24 ins., B. R.	1.50	1.40	1.25
24 to 30 ins., B. R.	1.75	1.65	1.50
30 to 36 ins., B. R.	2.35	2.20	2.00

FLOWERING CRAB APPLE, 2-Yr., Grafts

	1 to 24	25 to 249	250 and up
3 to 4 ft., B. R.	\$0.75	\$0.50	\$0.45
4 to 5 ft., B. R.	.85	.65	.58
5 to 6 ft., B. R.	1.00	.75	.68
6 to 8 ft., B. R.	1.50	1.25	1.13

(B&B, add \$1.00)



PFITZER JUNIPER

	1 to 24	25 to 249	250 and up
15 to 18 ins., B&B	\$1.75	\$1.50	\$1.35
18 to 24 ins., B&B	2.25	2.00	1.80
24 to 30 ins., B&B	2.75	2.50	2.25

PYRACANTHA COCCINEA LALANDI

	1 to 24	25 to 249	250 and up
18 to 24 ins., B&B	\$1.50	\$1.25	\$1.13
2 to 3 ft., B&B	1.75	1.50	1.35
3 to 4 ft., B&B	2.25	2.00	1.80

Root-pruned. Also available in 1-gal. and 5-gal. cans



HAWKERSMITH & SONS NURSERY

Tullahoma, Tenn.

Phone: GLendale 5-5436

Write for Price List

PRICES AND PROFITS

Comments on Business Management in the Nursery

By John J. Pinney

PRICE-COST SQUEEZE

Many industries are reporting reduced profits in spite of increased sales. The reason most often given is the increased cost of operating. The nursery business is no exception. The costs of all materials and services of production and distribution of nursery stock are constantly rising, but prices have not risen in proportion. There are probably few industries in which the price-cost squeeze is as severe as it is in the nursery business.

Labor is the chief item of expense in the production of nursery stock. The average wage paid day laborers in the nursery business today is four times what it was in 1932. In spite of this, the day laborers in the nursery are among the poorest paid in the nation. There are wages being paid by nurserymen below the Mason-Dixon line which, if we were to quote them, would be unbelievable because they are so low. Nurserymen everywhere complain about the difficulty of getting enough help. Another universal complaint is that the quality of nursery labor is poor.

No Attraction for Workers

If one stops a moment to think the matter through, it soon becomes clear that nurserymen have no right to expect anything better. A low wage will attract a small number of workers, usually of poor quality. Nursery work is not the easiest, cleanest or most pleasant. Many would not want to do it even at higher wages than they are earning doing something else.

The usual reaction of nurserymen to statements like the above is to complain that they cannot afford to pay higher wages. One has to believe them because they know their circumstances better than anyone else. Another common but more beligerent reaction is to charge "they are being paid all they are worth." Here again we cannot dispute the nurseryman's word. The men are working for him, and he knows best what they are producing.

If there are nurserymen who believe that wages are likely to go down, they are probably wrong. The record of the past 30 years proves otherwise. Even during the depression of the 1930's, minimum wages

under the federal law rose from 35 to 75 cents per hour. The minimum wage is now \$1 per hour for all workers covered by the law. Concerted efforts are being made to raise the minimum to \$1.25 or more. Washington observers are united in their prediction that the increase will come within a year.

Those activities of the nursery business that are classed as agricultural are not now covered by the federal wage and hour law, but the same interests that are plugging for higher wages are attempting to bring more agricultural workers under the provisions of the act. There seems to be a general agreement among the aforementioned Washington observers that it is only a matter of a short time before this will happen.

Production Costs Rising

Many nurserymen who have been following the trend toward higher wages and wider coverage are ex-

pressing concern over the effect on the nursery business. They feel that not only will higher production costs be inevitable, but the increase may come as a severe jolt to the industry. In spite of the constantly rising production costs, prices of nursery stock have increased only slightly over a period of many years, and the industry is already suffering acutely from the cost-price squeeze.

Higher prices will inevitably be necessary to offset increased production costs, but whether these increases will come rapidly enough to relieve the pressure remains to be seen. There are some astute nurserymen who believe that the industry has already missed the boat.

GROWTH of the Milpitas Nursery, Milpitas, Calif., during the two years of its existence was told in an article appearing recently in a local newspaper. Owners of the enterprise are Joseph C. Pedulla, who left his teaching profession to commercialize his horticultural hobby, and his son-in-law, John T. Jamieson.

SKYLINE NURSERIES, Springfield, Vt., recently directed the staging of the 18th annual flower show of the Ascutney View Garden Club, Reading, Vt.

FALL, 1960

EVERGREENS
FRUIT TREES

SHRUBS
SMALL FRUITS

SHADE AND ORNAMENTAL TREES

C. M. HOBBS & SONS, INC.

Bridgeport 31, Ind.

Phones: Indianapolis, CHapel 4-1812 — TErrace 9-4952

Added telephone service for wholesale only, call: CHapel 1-9371.

350 Acres Established 1875

ORNAMENTALS TREES SHRUBS EVERGREENS

Wholesale growers of a
general assortment for
the best landscape plantings.

BRYANT'S NURSERIES

Princeton, Illinois

PIN OAK SEEDLINGS

Delivery Spring, 1961

	Per 100	Per 1000
6 to 12 ins.....	\$ 6.00	\$ 55.00
12 to 18 ins.....	8.00	75.00
18 to 24 ins.....	12.00	100.00
2 to 3 ft.....	17.00	140.00
3 to 4 ft.....	22.00	190.00
4 to 5 ft.....	30.00	250.00
*4 to 5 ft.....	75.00	.....
*5 to 6 ft.....	100.00	.....
*6 to 8 ft.....	150.00	.....

*Well-branched, straight, good for cash sales.

LEAVENWORTH NURSERIES

L. C. Gatewood Betty Gatewood
12th and Vilas Leavenworth, Kan.

PEACOCK NURSERIES

EVERGREENS
SHADE TREES

Wholesale Growers

Write for price list.

721 S. Cleveland-Massillon Rd., Akron, O.

VICARY PRIVET

Lovely golden-leaved variety. Extremely adaptable for a striking border. Retains full golden color from spring to fall. Beautiful for rose bed border. Should have full sun.

	Per 10	Per 100	Per 1000
Liners in 2-in. pots.....	\$2.00	\$18.00	\$150.00
Routed cuttings, 100, \$10.00; 1000, \$80.00			

BEARDSLEE NURSERY

PERRY, O.

Our container-grown nursery stock is the very best quality produced in the south. We have given very careful attention to soil mixture, feeding, watering and general care. We are very proud of this container-grown stock and justly so.

Container-grown stock can be planted anytime during the year and we advise you to get your supply early. You have the advantage of a better selection, as well as being able to offer your customers their stock earlier. You profit by bringing people into your establishment first.

All one-gallon items are grown in green Plantainers. All two-gallon items are grown in green 8-inch Nursericans.

For full truckloads we can arrange for very economical transportation. Available trucks can haul from 4200 to 4500 one-gallon container-grown plants—door-to-door delivery—at a very low cost.

MINIMUM ORDER—25 plants of one variety. 250 plants or more of one variety take the 1000 rate.

CORAL BELLS	100	1000	HINODEGIRI	100	1000
1-gal.	\$.65	\$0.60	1-gal.	\$0.65	\$0.60
			2-gal.	1.50	1.40
HEXE			SNOW		
1-gal.65	.60	1-gal.65	.60

CLEYERA JAPONICA	100	1000	ILEX CRENATA HELLERI	100	1000	LIGUSTRUM LUCIDUM COMPACTUM	100	1000
1-gal.	\$0.65	\$0.60	1-gal.	\$0.65	\$0.60	1-gal.	\$0.60	\$0.55
2-gal.	1.50	1.40	2-gal.	1.50	1.40	LIROPE MUSCAR MAJESTIC		
GARDENIA RADICANS			ILEX CRENATA HETZI			1-gal. ....	.60	.55
1-gal. ....	.60	.55	1-gal. ....	.65	.60	LIROPE MUSCARI VARIEGATA		
2-gal. ....	.70	.65	2-gal.	1.15	1.00	1-gal. ....	.65	.60
ILEX AQUIFOLIUM BRILLIANT			ILEX CRENATA MICROPHYLIA			PODOCARPUS SINENSIS (Japanese		
1-gal. ....	.70	.65	1-gal. ....	.65	.60	Yew)		
ILEX CORNUTA BURFORDI			ILEX CRENATA REPANDENS			1-gal. ....	.65	.60
1-gal. ....	.65	.60	1-gal. ....	.60	.55	PYRACANTHA COCCINEA LALANDI		
2-gal.	SOLD OUT		2-gal.	1.15	1.00	1-gal. ....	.65	.60
ILEX CORNUTA FEMINA			ILEX CRENATA ROTUNDIFOLIA			2-gal.	1.50	1.40
1-gal. ....	.65	.60	1-gal. ....	.65	.60	PYRACANTHA CRENATA-SERRATA		
ILEX CORNUTA ROTUNDA			2-gal.	1.15	1.00	GRABER		
1-gal. ....	.75	.70	ILEX OPACA EAST PALATKA			1-gal. ....	.65	.60
ILEX CRENATA BULLATA			1-gal. ....	.60	.55	PYRACANTHA FORMOSANA		
1-gal. ....	.65	.60	ILEX VOMITORIA (Schilling's Dwarf			1-gal. ....	.65	.60
2-gal.	1.15	1.00	Yaupon)			2-gal.	1.50	1.40
ILEX CRENATA BUXIFOLIA			1-gal. ....	.75	.70	PYRACANTHA GOVERNMENT RED		
1-gal. ....	.60	.55	2-gal.	1.50	1.40	1-gal. ....	.65	.60
ILEX CRENATA DIVARICATA								
1-gal. ....	.60	.55						

BUXUS HARLANDI	100	1000	FATSHERERA (Tree Ivy)	100	1000	JUNIPERUS EXCELSA STRICTA (Spiny Grank).....	100	1000
4 to 6 ins.	\$12.00	\$110.00	6 to 8 ins.	\$12.00	\$110.00	4 to 6 ins.	\$15.00	\$140.00
6 to 8 ins.	15.00	140.00	8 to 12 ins.	15.00	140.00	6 to 8 ins.	17.00	150.00
BUXUS JAPONICA			FEIJOA (Pineapple Guava)			8 to 12 ins.	17.00	150.00
4 to 6 ins.	12.00	110.00	6 to 8 ins.	12.00	110.00	JUNIPERUS SABINA (Bavlin Juniper).....		
6 to 8 ins.	15.00	140.00	8 to 12 ins.	15.00	140.00	6 to 8 ins.	15.00	140.00
BUXUS SEMPERVIRENS			GARDENIA FORTUNEI			6 to 12 ins.	17.00	150.00
4 to 6 ins.	12.00	110.00	8 to 12 ins.	12.00	110.00	LIGUSTRUM VUCUM COMPACTUM (Chinese Privet).....		
6 to 8 ins.	15.00	140.00	12 to 18 ins.	15.00	140.00	4 to 6 ins.	10.00	90.00
CAMELLIA SASANQUA			GARDENIA MYSTERY			6 to 8 ins.	12.00	110.00
Cleopatra.....			8 to 12 ins.	12.00	110.00	MAGNOLIA GRANDIFLORA		
6 to 8 ins.	17.00	150.00	12 to 18 ins.	15.00	140.00	4 to 6 ins.	12.00	110.00
8 to 12 ins.	20.00	180.00	GARDENIA RADICANS			4 to 6 ins.	15.00	140.00
Crimson Tide.....			4 to 6 ins.	10.00	90.00	6 to 8 ins.	17.00	150.00
6 to 8 ins.	20.00	180.00	6 to 8 ins.	12.00	110.00	12 to 18 ins.	20.00	180.00
8 to 12 ins.	22.50	200.00	GINKGO BILBOA , (seedling).....			18 to 24 ins.	22.50	200.00
Dainty Pink.....			6 to 8 ins.	12.00	110.00	NANDINA DOMESTICA		
6 to 8 ins.	17.00	150.00	8 to 12 ins.	15.00	140.00	6 to 8 ins.	15.00	140.00
8 to 12 ins.	20.00	180.00	ILEX CORNUTA BURFORDI			8 to 12 ins.	17.00	150.00
Daydream.....			6 to 8 ins.	20.00	180.00	OSMANTHUS FRAGRANS		
6 to 8 ins.	17.00	150.00	8 to 12 ins.	22.50	200.00	6 to 8 ins.	12.00	110.00
8 to 12 ins.	20.00	180.00	ILEX CRENATA BUXIFOLIA			8 to 12 ins.	15.00	140.00
Hino-de-Gumo.....			4 to 6 ins.	15.00	140.00	OSMANTHUS SAN JOSE		
6 to 8 ins.	17.00	150.00	6 to 8 ins.	17.00	150.00	6 to 8 ins.	12.00	110.00
8 to 12 ins.	20.00	180.00	8 to 12 ins.	20.00	180.00	8 to 12 ins.	15.00	140.00
Jean May.....			ILEX CRENATA HELLERI			PHOTINIA GLABRA		
6 to 8 ins.	20.00	180.00	4 to 6 ins.	20.00	180.00	6 to 8 ins.	12.00	110.00
8 to 12 ins.	22.50	200.00	ILEX CRENATA MYCOPHYLLA			8 to 12 ins.	15.00	140.00
Miss No-Yuh (Double White).....			4 to 6 ins.	10.00	90.00	PINUS DENISIFLORA (Japanese Red Pine).....		
6 to 8 ins.	17.00	150.00	6 to 8 ins.	15.00	140.00	6 to 8 ins., S. Trans. ..	10.00	90.00
8 to 12 ins.	20.00	180.00	ILEX CRENATA REPANDENS			8 to 12 ins., S. Trans. ..	12.00	110.00
Miss Auburn.....			4 to 6 ins.	12.00	110.00	PINUS HALEPENSIS (Aleppo Pine)		
6 to 8 ins.	20.00	180.00	6 to 8 ins.	15.00	140.00	4 to 6 ins.	6.00	50.00
8 to 12 ins.	22.50	200.00	8 to 12 ins.	17.00	150.00	6 to 8 ins., S.	7.50	60.00
Pink Snow.....			ILEX CRENATA ROTUNDA TOLEA			8 to 12 ins., S.	10.00	90.00
6 to 8 ins.	20.00	180.00	4 to 6 ins.	10.00	90.00	PINUS THUNBERGI (Japanese Black Pine).....		
8 to 12 ins.	22.50	200.00	6 to 8 ins.	12.00	110.00	6 to 8 ins., S. Trans. ..	10.00	90.00
Rosea.....			ILEX VOMITORIA DWARF (Dwarf Yaupon).....			8 to 12 ins., S. Trans. ..	12.00	110.00
6 to 8 ins.	17.00	150.00	4 to 6 ins.	15.00	140.00	PITTSOPORUM TOBIRA		
8 to 12 ins.	20.00	180.00	6 to 8 ins.	17.00	150.00	6 to 8 ins.	12.00	110.00
Texas Star.....			ILICUM ANSATUM (Anise Tree).....			8 to 12 ins.	15.00	140.00
6 to 8 ins.	17.00	1						

250 plants or more of one variety and size take the 1000 rate.

BLACKWELL NURSERIES, Semmes, Ala.

QUALITY SEEDLINGS-TRANSPLANTED LINERS

Fall, 1960—Spring, 1961

	50 or more per 100	500 or more per 1000	5000 or more per 1000
<i>Taxus cuspidata capitata</i> (Upright Yew), seed-grown			
X, 10 to 14 ins.	\$30.00	\$225.00	\$210.00
X, 6 to 10 ins.	22.50	165.00	150.00
(3-0), 4 to 8 ins.	9.00	75.00	65.00
<i>Taxus</i> , 3-yr., T.			
Media hicksi, 10 to 12 ins.	45.00	400.00	....
Media hatfieldi, 10 to 12 ins.	45.00	400.00	....
Media browni, 6 to 8 ins.	45.00	400.00	....
Densiflormis, 6 to 8 ins.	45.00	400.00	....
Pfitzer Juniper			
X, 8 to 10 ins.	35.00	....	....
Colorado Blue Spruce			
XX, 10 to 15 ins.	65.00	600.00	....
X, 10 to 14 ins.	18.00	135.00	125.00
X, 6 to 10 ins.	12.00	90.00	85.00
(3-1), 6 to 12 ins.	10.00	65.00	60.00
(3-0), 3 to 6 ins.	6.00	24.00	22.00
(3-0), 6 to 10 ins.	7.50	32.00	30.00
White Spruce			
(3-0), 5 to 10 ins.	7.00	30.00	28.00
Black Hills Spruce			
(3-1), 5 to 10 ins.	10.00	60.00	....
(3-0), 3 to 6 ins.	6.00	24.00	22.00
(3-0), 6 to 10 ins.	7.00	30.00	28.00
Norway Spruce			
X, 8 to 12 ins.	12.00	90.00	85.00
(3-1), 6 to 12 ins.	10.00	65.00	60.00
Understocks, 5/16-in. cal. and up	12.00	75.00	....
(3-0), 3 to 6 ins.	6.00	24.00	22.00
(3-0), 6 to 10 ins.	7.00	30.00	28.00
Ponderosa Pine			
X, 12 to 15 ins.	10.00	60.00	....
X, 8 to 12 ins.	8.00	45.00	40.00
Austrian Pine			
X, 10 to 15 ins.	10.00	55.00	....
X, 6 to 10 ins.	8.00	40.00	38.00
White Pine			
XX, 12 to 15 ins.	35.00	....	....
Norway Pine			
XX, 15 to 18 ins.	40.00	....	....
XX, 12 to 15 ins.	30.00	....	....
Riga Scotch Pine (Poland)			
XX, 15 to 18 ins.	40.00	....	....
XX, 12 to 15 ins.	30.00	....	....
Scotch Pine, Auvergne			
XX, 15 to 18 ins.	40.00	....	....
XX, 12 to 15 ins.	30.00	....	....
(2-1), 3 to 6 ins.	8.00	32.00	28.00
(3-0), 10 to 16 ins.	6.00	26.00	22.00
(3-0), 6 to 16 ins.	6.00	23.00	19.00
(3-0), 6 to 10 ins.	6.00	20.00	16.00
Douglas Fir (<i>Taxifolia glauca</i>)			
(2-1), 5 to 10 ins.	8.00	35.00	32.50
(3-0), 8 to 12 ins.	8.00	30.00	32.50
(3-0), 4 to 12 ins.	7.00	30.00	27.50
(3-0), 4 to 8 ins.	6.00	27.50	25.00

Illustrated list sent on request. Samples of transplant sizes at 100 rate; seedlings no charge.

Order minimum \$10.00, transplants 10, seedlings 50.

CHRISTMAS TREES

We invite you to see the Scotch Pines growing on our farms, to be selected and shipped this year. Sheared, shaped, conditioned and will be well-handled for profitable sale on your lot.

See them soon. Be assured you will have quality stock when you want it.

MATTHEWS NURSERY

Harbor Springs, Mich.

Telephones: 123 or 732

Specimen Landscape

Materials

Our Specialty ...

TAXUS



W. A. NATORP CO.

4400 READING ROAD
CINCINNATI 29, OHIO

Visit our nurseries when in Cincinnati



HARDY ENGLISH IVY, HARDY BALTIC IVY

Rooted cuttings for landscape planting.

\$7.50 per 100; \$65.00 per 1000.

Peat pots.

\$18.00 per 100; \$150.00 per 1000.

BEARDSLEE NURSERY Perry, Ohio

COVER ILLUSTRATION

Abies Nephrolepis

Although one of the hardiest in the genus, the Siberian fir, *Abies sibirica* as a cultivated evergreen has but one practical use; like *A. balsamea*, the only species native in the northeastern states, it has proved unsatisfactory for general use as an ornamental, because it is almost impossible to establish outside of its native territory and for good growth demands almost exact simulation of its chosen habitat.

Listed by Alfred Rehder as a closely related species, *A. nephrolepis*.



Foliage of *Abies Nephrolepis*

lepis, from eastern Siberia and northern China, is an attractive tree and distinguished from *A. sibirica* by its shorter needles, rough trunk bark and more pubescent branchlets. The foliage of *A. nephrolepis* is bright green, quite crowded and pointed forward; the needles are rather slender, for a fir, about one and one-quarter inches long, rounded and entire or slightly cleft at apex, grooved above and with light gray bands beneath. Of symmetric contour, with quite compact woody structure and its pleasing foliage, this fir is ideally fitted for use as a Christmas tree. Just as *Abies balsamea* enjoys great favor and is valued as one of the finest Christmas trees, *A. nephrolepis*, if available for this purpose, would share that popularity.

It should be not too difficult to grow this species on a commercial basis. Given the proper environment, chiefly cool, moist climate, free from untimely frosts, *A. nephrolepis* might prove to be as easily produced, on a

PINUS THUNBERGI LINERS AND FINISHED STOCK BLACK PINE

	Per 1000
1-yr., S., 3 to 5 ins.	\$ 30.00
2-yr., S., 6 to 10 ins.	50.00
3-yr., S., 15 to 20 ins.	75.00
4-yr., S., 18 to 24 ins.	150.00
3-yr., T., 12 to 18 ins.	250.00
4-yr., T., 18 to 20 ins.	500.00
5-yr., T., 24 to 30 ins.	1000.00

	Each
2 to 3 ft., sheared, B&B	\$ 4.00
3 to 4 ft., sheared, B&B	7.50
4 to 5 ft., sheared, B&B	10.00
5 to 6 ft., sheared, B&B	12.50
6 to 8 ft., sheared, B&B	20.00

Our Black Pine are grown from a Northern Japan Compact strain and are very dark green in color.

BAIER LUSTGARTEN

Jericho Turnpike, Middle Island, L. I., N. Y.

Phone: YAphank 4-3444

Long Island's Largest Nurseries

WRITE FOR CATALOG

Announcing —

The plant you've been waiting for — a new

HARDY WHITE EVERGREEN AZALEA

The feature plant in the prize-winning gardens of our home and flower shows is the white azalea. Northern florists, landscape men and nursery dealers have regretfully had to advise the many who inquired that these were not hardy items.

Now we are proud to introduce the proven hardy evergreen azalea.

MARTIN'S WHITE

For a period of 11 years we have been testing and growing Azalea Martin's White and can vouch for its complete hardiness. The original stock plants are planted on a sun and wind exposed slope and have withstood severe punishment. Even the disastrous winter of 1958-59, which claimed supposedly hardy neighboring plants, failed to hurt this one.

Azalea Martin's White is a medium-height azalea that reaches 2 to 2½ ft. in four or five years from a 1-yr. bedded liner. It loves pruning and can be sheared to make compact bedding and forcing heads. Handled in this manner it is about 1/3 larger than Hino-Crimson. Striking use of Azalea Martin's White is achieved when it is used as a border for deep red and pink sorts.

The clear white, 1½ to 2-in., hose-in-hose, blooms are borne in clusters of two, three and sometimes four. Very profuse blooms occur before the new foliage appears and give a soft fluffy appearance to this white pillow.

Every decorator knows that white is the *accent* that shows and contrasts any color to its best advantage. You can't go wrong with white and you'll always be right with Martin's White.

We are certain that you will find this plant surpasses any so-called hardy white azalea on the market today. It is a multipurpose plant with no patent restrictions imposed upon it. We would like to see it become a trade standard as soon as possible.

The plants we have to offer were planted from pots in June and are nicely established, 1-yr., bedded stock. Price schedule as follows:

1 to 5	6 to 10	11 to 25	26 to 49	50 to 100
Each	Each	Each	Each	Each
\$2.00	\$1.85	\$1.75	\$1.65	\$1.50

The JOSEPH F. MARTIN CO. INC., P. O. Box 189, Painesville, Ohio

LANDSCAPE MATERIAL IN QUANTITY

Norway Spruce, 3 to 7 ft.
White Pine, 3 to 9 ft.
Austrian Pine, 4 to 9 ft.
Scotch Pine, 3 to 9 ft.
Red Pine, 3 to 10 ft.
Norway Maple, 1½ to 3-in. cal.
Crimson King Maple, 1½ to 2-in. cal.
Flowering Crab Apples, 6 to 8 ft.
Sweet Gum, 1½ to 2-in. cal.

WADE & GATTON NURSERIES

Rt. 3 Bellville, Ohio
Phone: Butler TU 2-3191

DWARF BLUE-LEAVED ARCTIC WILLOW

(*Salix purpurea nana*)

Beautiful new hedging shrub for all northern localities. Will thrive in practically any type of soil. Has fine-cut, bluish leaf and makes spectacular low-to-medium hedge. Should have full sun to develop to maximum attractiveness.

Cutback liners Per 100 Per 1000
12 to 16 ins., 1-yr. \$ 5.00 \$ 45.00
16 to 18 ins. and up, 2-yr. 20.00 180.00

BEARDSLEE NURSERY Perry, O.

IRIS AND DAY LILIES

A good selection of named varieties: Dwarf Iris, Japanese Iris, Fall Blooming Iris, German Iris, Early and Late Blooming Day Lilies.

Write for complete list.

KINGWOOD NURSERIES
Mentor, Ohio

large scale, as the species now being grown for the holiday trade. It might be well worth a try. J. G.

FINE-TEXTURED PLANTS.

[Continued from page 15]

suggested earlier in this article with reference to the pines, but the dawn redwood provides a different problem, since it is deciduous.

Looseness influences texture, as in the Voss golden chain tree (*Laburnum vossii*) shown in illustration I. This tree suggests a fine texture because of the pendulous chains of yellow flowers. Small individual flowers on a hanging flower cluster emphasize a delicate texture, while large flowers in an erect truss suggest a bold texture.

Certainly, the Weeping Higan cherry (*Prunus subhirtella Pendula*) has a finer texture, with its smaller leaves, smaller flowers and drooping habit, than the more erect Kwanzan cherry (*P. serrulata Kwanzan*), with its larger flowers and larger leaves.

Fine-textured foliage near water, even that which is moving, contrasts less than coarse foliage. It may seem more a part of the surroundings than do plants with large leaves. This, however, is somewhat dependent on what the other surroundings may be. If large stones and/or a bridge of coarse wood sections is present, then either fine or coarse foliage or both can do a good job of making a pleasing picture with the surroundings.

There are several trees of the small class (10 to 25 feet) that have fine-textured foliage. The cut-leaved form of the full moon maple (*Acer japonicum Aconitifolium*), the green cut-leaved form of the Japanese maple (*Acer palmatum Dissectum*) and the purplish or reddish cut-leaved form (*A. palmatum Ornatum*) are about as fine as one can find.

The cut-leaved European ash (*Sorbus aucuparia Asplenifolia*), which is difficult to find in the trade, and the Dwarf Hardy silk tree (*Albizia julibrissin rosea*), which often grows slightly out of the 10 to 25-foot class, are good selections.

In the class of medium to large there are many possibilities, excluding willows. The fern-leaved beech (*Fagus sylvatica Asplenifolia*) shown in illustration J will reach proportions beyond the small size. It is an attractive tree, but not ideal for street planting or small properties. There is a similar form with purple leaves, *F. sylvatica Rohani*.

The many new thornless honey lo-
[Concluded on page 54]

*"this hyar thing
shore duz beat
a shuvvel..."*



It use to be that the boss hands me a shuvvel when he wants trees an' shrubs dug—but looka hyar! This contrapshun is what he given me fer a birthday present two year-ago. Hain't it sumpin'?



Hits got a grate big motor on each track an th' operator sits way hup in the air so's they's plenty of clearence fer trees to go thru without bein' scratched or hert in any way. This hyar blade's 2 foot wide an' goes 2 an' a half foot into the groun'. An' looka hyar—at the roots yo' gets every time.



**ROOTS...
ROOTS...
ROOTS...**

Roots like thez grow a good top—they's jest bound to do it. An' they'll please both yo' an' yore customer. Yo' KNOW yore customer is goin' to be pleased 'cause thez plants'll "take off" in a hurry with these kin' uh roots. An' everybody's bound to be happy.



Ways we help you sell

FREE Tags for Every Plant **FREE** Advertising Mats **FREE** Display Banners
FREE Waterproof Colored Pictures for your Outdoor Display

Dependable Source of QUALITY... Since 1895

Phone GL 6-2521

1100 South Cherokee

OZARK Nurseries / Tahlequah, Okla.

Books for Christmas

Important New Books and Old Favorites

TREES and SHRUBS

The Book of Shrubs, by A. C. Hottes. Various lists of shrubs for many uses. Covers propagation, transplanting, pruning, soil requirements, etc. 448 p. 6th edition. (1952)\$4.95

The Friendly Evergreens, by L. L. Kumlien. Seed collecting, propagation, digging and transplanting, root pruning, insects and diseases. 500 illus., 82 in color. 240 p. (1946)\$10.00

Christmas Trees for Pleasure and Profit, by Chapman and Wray. Suitable land, species to plant, care of stock, laying out plantation, harvesting and marketing. 215 p., illus. (1957)\$3.75

Hollies, by Harold Hume. Chapters include American holly varieties, English, Chinese, Japanese, miscellaneous evergreen hollies, deciduous, caffeine, propagation, pollination, culture and holly pests. 241 p., 72 illus. (1953)\$6.75

Handbook of Hollies, edited by Harry William Dengler and 25 contributors to the American Horticultural Society. Fascinating, technically accurate, readable information about the shrubs and trees which are members of the holly family. Treats of culture, pruning, propagation, uses, care and diseases of hollies. 193 p. (1957)\$3.00

Trees for American Gardens, by Dr. Donald Wyman. Botanical and common names of 745 recommended trees. Secondary list of 1,600. Bloom, ornamental fruit, foliage colors, etc. 376 p. (1951)\$8.00

Shrubs and Vines for American Gardens, by Dr. Donald Wyman. Planting guide for nurserymen. Recommends 1,100 species and varieties; secondary list of 1,700. 800 blooming dates in sequence. Hardiness zone maps. 100 illus., 442 p. (1949)\$8.00

Ornamental Crab Apples, by A. F. den Boer. Information on principal species, foliage, time of flowering, fruit, forcing as pot plants and planting for various locations. Also planting, pruning, protection, propagation, diseases and insects. 226 p., 112 drawings, 4 color illus. (1959)\$4.95

The Pruning Manual, by E. P. Christopher. Provides the most comprehensive and authoritative information available on pruning all temperate-zone fruits, shade trees and ornamental shrubs. Sections are devoted to forestry, grafting, root pruning, wound treatment and tools. 320 p., illus. (1954)\$5.00

Complete Modern Tree Experts' Manual, by Richard Fenska. Diagnosis of tree troubles, fertilizing, transplanting, pruning, surgery, diseases, insects, spray materials, etc. Information for daily operations. 345 p., illus. (1956)\$7.00

PROPAGATION

Plant Propagation Practices, by James S. Wells. Information on water, heat, light, shading, methods of handling seeds and cuttings. Directions for grafting, layering and division, control of pests and diseases and preparation of stock for field planting. 344 p., illus. (1955)\$7.50

Plant Propagation, by Mahlstede and Haber. Basic principles and details of practice. New techniques of propagation, producing hybrids and seed production. 413 p., 188 illus. (1957)\$7.50

How to Increase Plants, by A. C. Hottes. Seeds, cuttings, bulbs, grafting, fruit stocks, annuals, perennials, conifers, trees and shrubs. 279 p., illus. (1956)\$3.50

Propagation of Plants, by M. G. Kains and L. M. McQuesten. Reference for propagators in nursery and greenhouse; also nursery management and pest control. 637 p., 375 illus., revised ed. (1942)\$6.95

Propagation of Trees, Shrubs and Conifers, by W. G. Sheat (English). Comprehensive material presented in encyclopedic form. Commercial practices in propagation. 479 p. (1948)\$5.00

Mist Propagation of Cuttings, by Patricia Rowe-Dutton, of Commonwealth Bureau of Horticulture (English). Techniques and equipment, used in U. S. and abroad, described and illustrated. Bibliography of 160 articles; 57-p. table of results with many species and varieties, 160 p., paper-bound, 40 illus. (1960)\$1.50

LANDSCAPE and DESIGN

Landscape for Living, by Garrett Eckbo. Latest theories and principles. Architectural record book. Covers background, theory and practice. 262 p., illus.\$10.00

The Art of Home Landscaping, by Garrett Eckbo. How to plan, build and plant to avoid wasting and spoiling outdoor space. Chapters include home planning, case studies, foundations, surfacing, enclosure, shelter, enrichment, plants and planting. Profusely illustrated with photos, drawings and sketches. 278 p. (1956)\$5.00

Gardens Are for People, by Thomas D. Church. Information and suggestions of value for the home beautifier and the professional landscape man. 243 p., profusely illus. (1955)\$10.00

Ground Cover Plants, by Dr. Donald Wyman. Describes 200 kinds of woody plants and herbaceous perennials for sun and shade. Hardiness, planting and maintenance. 175 p. (1956)\$4.00

Your Lawn—How to Make and Keep It, by R. M. Carleton. Valuable information for the homeowner as well as for nurserymen and landscapers. Grading, soil, feeding, diseases, pests and weed control. 176 p. (1959)\$3.00

Lawn and Landscaping Handbook, by T. H. Everett. Grasses, lawns, compost, mowing, foundation planting, fertilizing, diseases and pests. Diagrams and photos. 144 p. (1956)\$2.00

Landscaping with Vines, by Frances Howard. Detailed description of 350 species and varieties of 112 genera. 230 pp., 28 full-page plates, 44 line dr. (1959)\$6.00

65 Practical Garden Plans, by John Elliott. For crowded areas, cities, back yards, outdoor living rooms. Illus., 48 p. (1950)\$1.00

Landscaping for Modern Living. For new and old gardens. Hundreds of practical ideas. 248 photos, 210 drawings and 9 plans. 190 (1959)\$2.00

Complete Home Landscaping and Garden Guide, by R. P. Korbo. Includes gardening, grading, soils, drives and walks, foundation plantings, lawns, outdoor living areas, shrubs and flowers, ground covers, tree care and regional planting guide. 368 p. (1954)\$4.00

Landscape Sketching, by Arthur Black. Shows fundamental pen strokes and how to apply to component parts of landscape. 110 p. (1951)\$5.00

Sunset Patio Book. Covers planning, structure, furniture, garden pools, planting trees and vines, electricity, radiant heat, law building and the lanai. 174 p., profusely illus. (1952)\$2.00

INSECTS and DISEASES

Diseases and Pests of Ornamental Plants, by Pirone, Dodge and Rickett. Comprehensive, authoritative reference book brought up to date. Describes diseases and pests of nearly 500 genera, alphabetically presented. Detailed explanation for each plant. Instructions on fungicides, insecticides, other control practices and equipment. Long the standard work. 3rd ed., 775 p., 221 illus. (1960)\$10.00

Gardener's ABC of Pests and Diseases, by A. W. Dimock. Foliage diseases, insect pests, seeds and cuttings, root and crown troubles, sprays and dusts. 191 p. (1953)\$2.00

The Gardener's Bug Book, by Cynthia Westcott. Dictionary of pest diseases and how to apply. Check list of pests and their control. 100 color plates, 94 line drawings. 597 p. (1956)\$7.00

Insect Guide, by Ralph B. Swain. How to recognize the larger groups of insects. More than 450 illus., 330 in color. Covers more than 200 insect species. 261 p. (1948)\$3.00

MISCELLANEOUS

GN

es and p
theory
\$10

to plan, b
Chapters
ing, enclos
ustrated
\$5

formation
profession
\$10

200 kinds
made. Har
\$4

on. Value
en and la
veed cont
\$3

resses, law
es and per
\$2

descripti
28 full-p
\$6

ded areas
950)...\$1

ns. Hundr
plans. 190
\$2

. P. Korbo
s. foundat
wers, grow
954)...\$4

mental per
dscape. Ill
\$5

iture, gard
t heat, les
)\$2

ES

Dodge
brought up
enera, alp
t. Instructi
d equipme
0)...\$10

ock. Folies
own troubl
\$2

ary of per
r control.
\$7

larger grow
more than 2
\$3

ity

Japanese Art of Miniature Trees and Landscapes; Their Creation and Care, by Yoshimura and Halford. Propagation, potting, training, care of bonsai, soils and tools. 220 p., illus.....\$7.50

Growers' Guide to Bedding Plants, by C. H. Potter. Covers soil, seeds, propagation, transplanting, pests and diseases, vegetable plants, geraniums, culture tips, 4-p. reference chart. 64 p. illus. (1953).....\$1.00

Garden Plants in Color. Picture plate book, edited by Dr. H. T. Ginner. For reference or sales manual. Over 100 sheets and 420 full color illus., showing botanical and common names, plus adequate descriptions. Includes: Broad-leaved evergreen shrubs, azaleas, callias, rhododendrons, flowering shrubs, shade and flowering trees, vines and ground covers. Choice of loose leaf or case bound. (1958).....\$42.50

Contemporary Perennials by Robert W. Cumming and Robert E. Lee. Up-to-date reference book on current species and varieties of perennials. Alphabetical list includes data on uses, culture and propagation of about 140 genera and over 500 species. 363 p., 100 line drawings. (1960).....\$6.95

Operating a Garden Center, by John J. Pinney. Complete series of articles. More illustrations have been included to make the book more interesting and valuable. 128 p. (1957).....\$3.00

Have You Tried Perennials?, by C. H. Potter. Propagation, soil, field care, pests and diseases, culture and marketing. 160 p., illus. (1959).....\$3.00

Standard Cyclopedia of Horticulture, by L. H. Bailey. Descriptions, botanical and common names and concise notes on culture and propagation. It contains detailed discussions of more than 40,000 plants, besides general articles. This work has long ranked as the most complete on horticulture in America. 3,680 p. 3-vol. set \$52.00

MAINTENANCE

Tree Care, by J. M. Haller. Planting, soil, water, pruning, cavity repair, cabling, fertilizing, spraying, tools and equipment. 224 p., illus. (1957).....\$5.95

Tree Maintenance, by P. P. Pirone. Transplanting, fertilizing, pruning, bracing and spraying, diseases and insects. Trees suitable for various locations. Detecting tree troubles. Modern machinery suggested. 483 p. (1959).....\$10.00

Grounds Maintenance Handbook, by H. S. Conover. Public, industrial and commercial grounds. Turf. Shrubs and perennials. Insect and disease control. Weeds. Soil erosion. Roads, parking and picnic areas. 438 p. (1958).....\$10.75

Our Garden Soils, by C. E. Kellogg. How to maintain proper amounts of organic matter and moisture, how to control soil acidity and how to balance plant nutrients. 232 p. (1952).....\$4.00

SOILS and FERTILIZERS

Commercial Fertilizers, by G. H. Collings. Textbook on manufacture and use. Plant nutrition, fertilizer practices and fertilizer manufacture. 5th ed., 617 p. (1955).....\$8.50

Soil Sterilization, by W. J. C. Lawrence. Covers heat and chemical sterilization and treatment of soil. 169 p., illus. (1956)....\$4.25

Seed and Potting Composts, by W. J. C. Lawrence and J. Newell. Preparation and use of John Innes composts, with special reference to soil sterilization. Illus., 160 p. (1950).....\$2.00

The Nature and Properties of Soils, by Lyon, Buckman and Brady. Plant nutrients, soil formation, mineral soils, liming and fertilizers. 591 p. (1952).....\$6.25

CLIP AND MAIL TODAY!

American Nurseryman

43 S. Dearborn St.

Chicago 4, Ill.

Enclosed is my \$_____ check in payment for the books listed below:

PRICE

\$_____

TOTAL \$

Name_____

Address_____

State_____

LINING-OUT STOCK

Fall, 1960 — Spring, 1961

Field Grown to Obtain Heavy-Calipered, Straight Seedlings

ORNAMENTAL AND SHADE TREE SEEDLINGS

		100	1000			100	1000
ASH, Green				OAK, Pin			
6 to 12 ins.	\$ 1.80	\$ 15.00		6 to 12 ins.	\$ 6.00	\$ 55.00	
12 to 18 ins.	2.60	22.00		12 to 18 ins.	8.00	75.00	
18 to 24 ins.	3.50	30.00		18 to 24 ins.	12.00	100.00	
2 to 3 ft.	4.50	40.00		2 to 3 ft.	17.00	140.00	
CATALPA speciosa				3 to 4 ft., whips and			
6 to 12 ins.	1.80	15.00		lightly br.	22.00	180.00	
12 to 18 ins.	2.60	22.00		4 to 5 ft., whips and			
18 to 24 ins.	3.50	30.00		lightly br.	28.00	240.00	
2 to 3 ft.	4.50	40.00		*4 to 5 ft.	75.00	....
3 to 4 ft.	5.50	50.00		*Well-branched, straight, good for cash sales.			
ELM, Chinese				OAK, Red			
6 to 12 ins.	1.80	15.00		6 to 12 ins.	6.50	60.00	
12 to 18 ins.	2.60	22.00		12 to 18 ins.	9.00	80.00	
18 to 24 ins.	3.50	30.00		18 to 24 ins.	12.00	100.00	
2 to 3 ft.	4.50	40.00		2 to 3 ft.	17.00	140.00	
3 to 4 ft.	7.50	65.00		OAK, Yellow Chestnut			
HACKBERRY (Celtis occidentalis)				6 to 12 ins.	9.00	80.00	
6 to 12 ins.	1.80	15.00		12 to 18 ins.	12.00	100.00	
12 to 18 ins.	2.90	25.00		18 to 24 ins.	17.00	140.00	
18 to 24 ins.	4.50	40.00		PRUNUS besseyi			
2 to 3 ft.	7.00	60.00		6 to 12 ins.	2.50	22.00	
HONEY LOCUST, Thornless				12 to 18 ins.	3.50	30.00	
6 to 12 ins.	1.90	16.00		18 to 24 ins.	5.50	50.00	
12 to 18 ins.	2.60	22.00		2 to 3 ft.	8.00	75.00	
18 to 24 ins.	3.80	33.00		ROSA multiflora			
2 to 3 ft.	5.00	45.00		1/4-in. cal. and up*	5.00	45.00	
3 to 4 ft.	8.50	75.00		3/8 to 1/2-in. cal.	4.00	35.00	
4 to 5 ft.	14.00	120.00		1/2 to 3/4-in. cal.	2.70	22.00	
3/8 to 1/2-in. cal. for budding understock		27.00		ROSA wichuriana			
KOELREUTERIA paniculata				6 to 8 in.	7.00	50.00	
9 to 12 ins.	9.00	80.00		8 to 12 ins.	9.00	60.00	
12 to 18 ins.	12.00	100.00		RUSSIAN OLIVE			
LIQUIDAMBAR styraciflua				6 to 12 ins.	2.20	20.00	
6 to 12 ins.	10.00	70.00		12 to 18 ins.	3.30	30.00	
12 to 18 ins.	12.00	100.00		18 to 24 ins.	5.00	45.00	
MAPLE, Silver				2 to 3 ft.	7.50	65.00	
6 to 12 ins.	2.40	20.00		3 to 4 ft.	8.50	80.00	
12 to 18 ins.	3.20	28.00		VIBURNUM dentatum			
18 to 24 ins.	4.50	40.00		6 to 9 ins.	7.00	65.00	
2 to 3 ft.	7.00	60.00		9 to 12 ins.	8.50	80.00	
3 to 4 ft.	10.00	90.00		12 to 18 ins.	12.00	100.00	
4 to 5 ft., whips and				18 to 24 ins.	16.00	140.00	
lightly br.	16.00	140.00					
5 to 6 ft., whips and							
lightly br.	20.00	175.00					
6 to 8 ft., whips and							
lightly br.	25.00	....				
*5 to 6 ft.	50.00	....				
*6 to 8 ft.	75.00	....				
*Well-branched, straight, good for cash sales.							
RUSSIAN MULBERRY							
6 to 12 ins.	1.80	15.00					
12 to 18 ins.	2.60	22.00					
18 to 24 ins.	3.50	30.00					
2 to 3 ft.	4.50	40.00					
3 to 4 ft.	5.50	50.00					
OAK, Burr							
6 to 12 ins.	5.50	50.00					
12 to 18 ins.	8.00	75.00					
18 to 24 ins.	12.00	100.00					
4 to 5 ft.	28.00	240.00					
6 to 6 ft.	35.00	300.00					

J. H. SKINNER & CO. NURSERY

Topeka, Kan.

Mail Address: P. O. Box 150, North Topeka, Kan.

CHINESE CHESTNUT

	Each	Per 10
8 to 10 ft.	\$ 3.70	
1 1/2-in. cal.	4.75	
1 3/4-in. cal.	6.00	
2-in. cal.	8.25	
2-in. cal., B&B	15.25	

THE HOME NURSERY

C. S. Ingels & Sons
On Rt. 17 in Stark County
La Fayette, Ill.
Phone: 12 R 2



VANS HAS THEM!

Evergreen seedlings, transplants and Christmas trees. Top quality, wide variety, competitive prices. Free catalog.

Address A. N. Van

VANS PINES West Olive, Mich.

FRENCH PUSSY WILLOW

A cultivated French variety of pussy willow with silvery-pink catkins from 1 to 2 ins. long.

	Per 100
15 to 18 ins., 2 canes	\$12.50
3 canes and up	25.00
18 to 24 ins., 2 canes	15.00
3 canes and up	28.00
2 to 3 ft., 2 canes	45.00
4 canes and up	30.00

KINGWOOD NURSERIES

Mentor, Ohio

PYRACANTHA COCCINEA LALANDI

Commonly known as Firethorn. Our stock is grown from heavily fruiting stocks. Shrubs carry huge clusters of holly-like berries all winter. One of the most desirable foundation shrubs in the trade.

1 liners, peat pots, \$25.00 per 100; \$225.00 per 1000.
Beardslee Nursery Perry, O.

custs fall in the fine-textured category, as does the cut-leaved silver maple (*Acer saccharinum* Laciniatum). Apparently this is also listed as Wier's or Skinner's maple; there seems to be little if any difference among the three.

The various forms of the European white birch (*Betula pendula*) are most graceful and attractive (*B. p. Gracilis* and *B. p. Dalecarlica*). Even though they are not new varieties and are susceptible to leaf miner, they certainly have a place in the American landscape when fine texture in a larger-proportional tree is needed.

Some of the narrow-leaved evergreens should not be ignored. Some "strays" of the Canadian hemlock (*Tsuga canadensis*) like the Jenkins hemlock (*T. c. Jenkins*), the little leaf hemlock (*T. c. Microphylla*) and the cascade appearing weeping hemlock (*T. c. Pendula*) are truly fine-textured, graceful and useful. The Jenkins hemlock has a loose appearance, but not to the point of being objectionable.

Others come to mind and include the thread-leaved false cypress (*Chamaecyparis pisifera filifera*) and maybe even the false larch (*Pseudolarix kaempferi*).

Shrubs and Vines

The list of shrubs that provide the same effect—a fineness or delicacy—can be more extensive. Three honeysuckles qualify—*Lonicera nitida*, *L. pileata* and the larger *L. korolkowi*, and so do heavenly bamboo (*Nandina domestica*), the kirilow indigo (*Indigofera kirilowi*), the bush clovers (*Lespedeza*), Thunberg spirea, the cut-leaved lilac chaste tree (*Vitex agnuscastus Incisa*) and even the yellow-root (*Xanthorhiza simplicissima*), the last of which does well in deep shade. All do not have the same degree of hardiness.

Vines, too, provide a fine texture. The Low's or geranium ivy (*Parthenocissus tricuspidata lowi*) and the two species of ampelopsis, *Aconitifolia* and *brevipedunculata*, are fine, delicate and graceful.

BORN October 12, a daughter, Julianne, joined the family of Mr. and Mrs. Albert J. Williams, Santa Barbara, Calif. Mrs. Williams is the secretary of the Tri-County chapter of the California Association of Nurserymen.

EXPANDING office and show-room space is Bill Wagoner, Wagoner Nurseries, Hutchinson, Kan. The new facilities will include landscape consultation quarters.

AT LAST! AVAILABLE TO YOU! ENGLAND'S QUALITY

WHALEHIDE NURSERY POTS!

SAVE YOU! from **\$750** to **\$2750** per 1000



INCREASE PRODUCTION 60 to 80 PER CENT PER ACRE !

With Whalehide Pots, plants are started, grown and sold in the same pot, above-ground, ready for sale, any month of the year. When placed underground, Whalehide Pots completely disintegrate; so plants are never removed from the pots . . . roots are never disturbed. From start to finish, plants are never set back. Orders over \$250.00 freight prepaid anywhere in the U.S.A.

LIGHT, DURABLE and TOUGH. YET THEY COMPLETELY DISINTEGRATE WHEN PLANTED WITH THE PLANT.

Made from reinforced vegetable fiber with nitrogen added, differing radically from the conventional metal and clay pots, the insulation qualities of Whalehide Pots help to protect your plants against heat and cold . . . keep their roots cool and moist longer. With normal use and watering the **Grow Pot** type (heavy weight) will last from 9 to 16 months aboveground . . . the **Propagating Pot** (medium weight) from 3 to 4 months. Openings in bottom insure adequate drainage and root development.

60 to 80 PER CENT MORE PRODUCTION PER ACRE. LESS WEEDING . . . LESS WATERING . . . LESS SPRAYING . . . LESS EVERYTHING

By using Whalehide Pots your plants remain aboveground and are placed close together. For example—by using this method, the great Layritz Nurseries of British Columbia now grow the same number of roses in one-half acre that formerly took 3 acres to grow. Think of the saving in space—watering—weeding—spraying!

PRODUCES HEALTHIER PLANTS, CUTS LABOR COST TO LESS THAN HALF

Think of it! No more bedding out . . . no transplanting . . . no more tedious weeding . . . no digging up and baling and wrapping, with the inevitable plant setbacks and danger. From start to finish your plants are started, grown and sold in the same pot, aboveground.

NESTED, COMPLETELY ASSEMBLED, READY FOR USE
Conveniently nested, they require minimum storage space . . . are always ready for immediate use.

POOR SOIL, NO HANDICAP

Yes! With Whalehide Pots you can grow the finest plants anywhere . . . on gravel, sawdust, sand. All it takes is good topsoil in the containers.

HERE'S PROOF OF THEIR QUALITY . . . PROOF OF THEIR POPULARITY

The Imperial Tobacco Co. alone uses over a million pots per year continuously. The tea and coffee plantation owners of India, leading nurserymen in England, Scotland, Ireland, Europe and other areas use many millions every year. Whalehide Pots have been the favorite for years. Made by one of England's foremost plant container firms, with over 20 years of proven experience.

NOW, WITH WHALEHIDE POTS YOU'LL GREATLY INCREASE YOUR PROFITS . . . SELL YOUR PLANTS EVERY MONTH OF THE YEAR . . . WITH ABSOLUTE SAFETY

Because Whalehide Pots completely disintegrate underground, there's no messy handling for your customers—they just slip the pots and all right into the ground. Roots are never disturbed, plants are never set back. So, sell your stock every month of the year with confidence—put on special promotions when the plants are in full bloom, when they're most desirable . . . reap more profits—switch to Whalehide Pots right away. You'll be glad you did.

WRITE FOR QUANTITY DISCOUNTS.

WRITE FOR FREE INFORMATIVE BOOKLET TO ADDRESS BELOW

FOR SHRUBS, ROSES, PERENNIALS, ANNUALS, SMALL TREES. 12 DIFFERENT SIZES . . . 3 DIFFERENT WEIGHTS

	Size across top.	Per 1000
Whalehide Transport Pots (light)	2 1/4 -in., with bottom.....	\$ 5.50
	3 -in., with bottom.....	6.95
	3 1/2 -in., with bottom.....	8.25
Whalehide Propagating Pots (medium), green or black	2 1/4 -in., with bottom.....	7.25
	3 -in., with bottom.....	7.75
	3 1/2 -in., with bottom.....	9.55
	5 -in., with bottom.....	13.75
	6 1/4 -in., with bottom.....	18.75
Whalehide Grow Pots (heavy), red	3 -in., with bottom.....	26.25
	3 1/2 -in., with bottom.....	28.75
	4 1/4 -in., with bottom.....	32.50
	5 -in., with bottom.....	37.50
	6 1/4 -in., with bottom.....	42.50
	7 1/2 -in., with bottom.....	47.50
	9 -in., with bottom.....	62.75
	9 1/2 -in., with bottom.....	68.75
	7 1/2 -in., without bottom.....	37.50
	9 -in., without bottom.....	45.75
	9 1/2 -in., without bottom.....	52.50
	10 -in., reinforced bottom.....	now in production
	12 -in., reinforced bottom.....	production

Special, 1 1/4 x 2 1/2 -in., without bottom (medium)..... 4.75

Sweet Pea Propagating Pots, 2 1/4 x 5 -in. (medium)..... 10.50

Ring Culture Pots—Unstitched, packed flat, interlocking tabs for quick assembly..... 47.50
ALL PRICES F.O.B. PORT OF ENTRY, U. S. A. AND CANADA

YOU WILL INCREASE YOUR PROFITS . . . PRODUCE BETTER PLANTS

ORDER A SAMPLE SET RIGHT AWAY

☐ I enclose \$2.00 in U. S. currency. Please forward sample set of Whalehide Nursery Pots (postage prepaid) to the following address:

NAME.....

FIRM.....

ADDRESS.....

CITY.....ZONE.....STATE.....

☐ Please send free informative booklet describing advantages of Whalehide Pots.

Address Your Reply to:
Harold G. Philbrook, Sales Manager

LAYRITZ PRODUCTS
4362 Wilkinson Rd. Victoria, B. C., Canada

THIS BUSINESS OF OURS

Reflections on the Problems of Nurserymen

By E. Sam Hemming

LANDSCAPE RENEWALS

One reads a great deal these days of urban renewal and the rehabilitation of slums in cities. Actually, this renewal is taking place everywhere, in suburban areas, small towns and cities, on the water front and even in rural areas. As I have mentioned in a previous article, with the increase in population and wealth, slums can no longer be afforded, and property everywhere is being upgraded. Land "to spare" no longer exists, and I note in eastern Maryland (and it is probably true in many other areas) there is no such thing as an abandoned farm.

This widespread upgrading of property presents some interesting landscape challenges; in fact, to me they seem much more interesting than working with a new house on a bare plot of land. It is in the landscape development of these older places that nurserymen can help clients with their property improvements.

Hand Labor Recommended

If a place is overgrown and neglected, the tendency is to call in a bulldozer, which, with few exceptions, is the worst possible plan. The bulldozer usually succeeds in skinning the bark off every tree; rooting out the good shrubs and plants with the bad; stirring up the soil, then packing it too hard, and, worst of all, usually leaving stumps of small plants that have to be grubbed out of the ground by hand.

At first thought it would seem to be an anachronism to clean up an abandoned or neglected place by hand and that the cost would be out of all proportion. A recent experience showed that the plan was extremely economical; \$1,000 worth of hand labor landscaped a place, leaving handsome old and unbutchered trees, large areas of ivy ground cover and many interesting old shrubs. The job was priceless to the owner, as the trees were irreplaceable, and if the place had been similarly landscaped with the largest-size tree movable, it would have cost five times that much and would still have had a new appearance for a number of years.

There are many features of which a landscape artist can take advantage in the renewal of an old site.

Trees, especially large, old ones, are an obvious asset, but often there will emerge from a tangle of vines and shrubs odd-shaped, picturesque and interesting trees which, with judicious pruning, may become key features in the garden or landscape. Similarly, groups of pines, cedars and other conifers may afford naturalistic backgrounds difficult to obtain otherwise.

Established Plants Are Assets

Often large patches of ground covers, such as English ivy and periwinkle, are found. These, too, can often be turned into striking features. Another asset is irregular old English boxwood hedges, planted 25 to 40 years previously. These will average three feet or so in height and offer many possibilities. In some instances, it is possible to remove completely the old foundation planting and replace it with boxwood tastefully arranged. In other cases,

it might be desirable to use boxwood to form a hedge or background for a new garden or to line a broad walk.

New Plants Have Advantages

In most cases, however, the old shrubs are best removed and replaced with young, vigorous plants. This would be true of forsythia, spiraea, deutzia, weigela, etc., but the exceptions are crape myrtle, lilac and certain viburnums. These are more likely to form specimen shrubs where age counts.

Other shrubs worth looking for and preserving are those that with age have formed thickets through the continual formation of stems from stolons or underground roots. Plants which do this, like deciduous holly, red chokeberry, red twig dogwood and jasmine, can add interesting features.

Even the addition of modern functional features to a renewed landscape can be done easily. Somehow terraces, courts, decks and patios, when constructed in a setting of old trees and plants, seem to have more charm than when placed in a raw new setting. Those who like to do this type of landscape work will find increasing opportunities in the future, and the results will repay thought and vision.

COMPLETE ASSORTMENT OF

Evergreens, Fruit Trees, Shade Trees, Roses and Lining-out Stock.

Write for complete list.

ONARGA NURSERY CO.
ONARGA, ILL.

NORTHERN-GROWN STOCK

Evergreen Liners
Ornamental Shrubs
Fruit Trees
French Lilacs
Shade and Ornamental Trees
Philadelphus Minnesota Snowflake (Plant Patent No. 538).
Send for complete list.

J. V. BAILEY NURSERIES
1325 Bailey Rd. St. Paul 6, Minn.

WANTED

Surplus nursery stock. Liners or finished stock. Let us help you turn your surplus into cash.
We can market up to solid truck lots of single or assorted items. Lesser quantities also of interest.
Send complete list and prices.
GROWERS EXCHANGE, INC.
Farmington, Mich.

Growers of Heavy Landscape Material

Shrubs

Evergreens
Shade Trees

Write for List

BORK NURSERY

Onarga, Ill.
Phone: AM 8-7267

OHIO'S LAKE COUNTY

One of the world's greatest nursery centers. Best soil for extensive roots. Lake Erie tempered for vigor.

Send for free membership list and map.

Names, location and types of plants grown by over 100 members representing 4,000 acres of the very finest nursery stock. Write to:

THE LAKE COUNTY NURSERYMEN'S ASSN.
Box 49, MENTOR, OHIO

Roses, Shrubs, Trees, Vines, Azaleas, Hollies, Rhododendrons, Evergreens, Fruit Trees, Perennials, Liners — Finished Stock — All Sizes.

GARLAND FLOWER

(Daphne cneorum)

Row-run, field liners, 1-yr., \$25.00 per 100; \$200.00 per 1000.

BEARDSLEE NURSERY
Perry, Ohio

EVERGREENS?

RUGGED — TOUGH — TENACIOUS — CONIFERS?
LOVELY — FLOWERING — INTERESTING — BROAD-LEAVES?

Another great year ahead—and shortages worse than ever.

LINING-OUT STOCK — FINISHED STOCK
 See our new catalog.

THIS FINE STOCK

	Per 100	Per 1000
Abelia grandiflora (Glossy Abelia) Glossy foliage, flowers whitish-pink. 12 to 24 ins., once transplanted	\$ 20.00	\$180.00
Abies balsamea (Balsam Fir) Symmetrical, deep green, aromatic. 6 to 12 ins., not transplanted	11.00	99.00
Abies concolor (White Fir) Symmetrical tree, beautiful blue foliage. 6 to 9 ins., not transplanted	10.00	90.00
Abies lasiocarpa (Alpine Fir) Slender picturesque conifer. 6 to 9 ins., once transplanted	13.00	117.00
Abies veitchii (Veitch Fir) Charming native from Japan. 6 to 9 ins., not transplanted	10.00	90.00
Azalea amoena coccinea Splendid dwarf, red flowers. 3 to 6 ins., once transplanted	16.00	144.00
Berberis darwini (Darwin Barberry) Deep green, glossy. Bright orange flowers. 12 to 18 ins., twice transplanted, B.R.	29.00	261.00
Berberis triacanthophora (Three-Spined Barberry) Slender, arching branches. 12 to 18 ins., once transplanted	30.00	270.00
Cephalotaxus harringtonia fastigiata (Plum Yew) Handsome columnar conifer. 9 to 12 ins., once transplanted	25.00	225.00
Chamaecyparis lawsoniana fletcheri (Fletcher Cypress) Slender conifer, soft plume foliage. 9 to 12 ins., once transplanted	24.00	216.00
Chamaecyparis lawsoniana grandis Dense, low flat pyramid. 6 to 9 ins., once transplanted	20.00	180.00
Chamaecyparis lawsoniana minima glauca (Little Blue Cypress) Blue-green captivating midget. 6 to 9 ins., twice transplanted, specimens, B.R.	71.00	....
Chamaecyparis pisifera compacta Dense, bright green, striking dwarf globe. 3 to 6 ins., once transplanted	17.00	153.00
Chamaecyparis pisifera filifera nana aurea (Dwarf Golden Thread Cypress) A compact mass of golden filaments. 12 to 18 ins., twice transplanted, B.R.	30.00	270.00
Cotoneaster pannosa (Silver-leaved Cotoneaster) Silvery foliage, brilliant red berries. 2 to 3 ft., once transplanted, B.R.	30.00	270.00
Cotoneaster salicifolia (Willow-leaved Cotoneaster) Upright growing, bright red berries. 12 to 24 ins., once transplanted, B.R.	25.00	225.00
Cytisus praecox (Warminster Broom) Graceful shrub, flowers rich cream. 18 to 30 ins., once transplanted	24.00	216.00

	Per 100	Per 1000
Cytisus scoparius Burkwood Dark red flowers. 2 to 3 ft., once transplanted, B.R.	\$ 25.00	\$225.00
Cytisus scoparius Geoffrey Skipwith A multitude of pink flowers. 2 to 3 ft., once transplanted, B.R.	25.00	225.00
Cytisus scoparius Mixed Hybrids Spectacular array of vivid colors. 2 to 3 ft., not transplanted, B.R.	17.00	153.00
Daphne mezereum rubra (Red February Daphne) Delightfully fragrant, lilac-purple flowers. 1 to 3 ins., not transplanted	11.00	99.00
Erica carnea (Sherwood Creeping Heath) Low creeper. Flowers bright carmine-red. 6 to 9 ins., twice transplanted, B.R.	18.00	162.00
Erica mediterranea hybrida (Darley Heath) Purplish flowers often in the snow. 6 to 9 ins., twice transplanted, B.R.	18.00	162.00

DID YOU KNOW?

That all the firs are inhabitants of the northern hemisphere.

Euonymus radicans (Winter Creeper) Low, procumbent shrub, rich green foliage. 12 to 24 ins., once transplanted	22.00	198.00
Kalmia latifolia (Mountain Laurel) Compact shrub, bouquets of lovely flowers. 9 to 12 ins., once transplanted	25.00	225.00
Mahonia aquifolium (Oregon Grape) An ornate little evergreen shrub. 3 to 6 ins., not transplanted	8.00	72.00
Picea excelsa (Norway Spruce) Defies the blast in cold, exposed situations. 12 to 18 ins., once transplanted, B.R.	14.00	126.00
Picea excelsa nidiformis (Nest Spruce) Wonderful, dwarf, dark green, flattened globe. 3 to 6 ins., once transplanted	18.00	162.00
Picea pungens (Colorado Green Spruce) One of the most desirable of the spruces. 9 to 12 ins., once transplanted	15.00	135.00
Pinus aristata (Bristlecone Pine) Finest landscape conifer in existence. 6 to 9 ins., not transplanted	24.00	198.00
Taxus baccata (English Yew) Fine old favorite. 18 to 24 ins., twice transplanted, B&B	122.00	....
Taxus baccata aurea (Golden English Yew) Dense bright golden foliage. 1 to 3 ins., once transplanted	13.00	117.00
Taxus cuspidata nana (Dwarf Japanese Yew) Dark green, dwarf conifer. 3 to 6 ins., once transplanted	18.00	162.00
Thuja occidentalis (George Washington Arborvitae) Spectacular golden form. 9 to 12 ins., once transplanted	24.00	216.00
Vaccinium ovatum (Evergreen Huckleberry) Evergreen shrub of surpassing merit. 6 to 9 ins., once transplanted	20.00	180.00

SHERWOOD PAYS THE COST

No "dividing" or "ifs" or "ands" about it, we prepay all shipping costs on stock not marked B.R. or B&B to any point in the United States and Canada, except Alaska and Hawaii.

25 at 100 rate; 250 at 1000 rate.



SHERWOOD NURSERY CO.
 Evergreens — PROPAGATORS AND GROWERS
 WHOLESALE

Wholesale list available—trade only.
 (It contains complete descriptions.)

CORBETT, ORE



AMERICAN HOLLY FOR CHRISTMAS

Plants in foil-covered containers with plenty of artificial berries come to you ready to sell. Just unpack and start reaping the profits. Very attractive and sell on sight. Packed only in units of 8. Please order in multiples of 8.

8 to 256, \$1.85 each; 264 and up, \$1.60 each.
F.O.B. Mentor.

ADDITIONAL BONUS

All completely hardy varieties. Any remnant left over after Christmas is not lost. Simply heel in, in sawdust, and sell in the spring.

ORDER NOW FOR IMMEDIATE SHIPMENT

BOSLEY NURSERIES, INC.

Mentor, Ohio

Phone: EL 2-3308 — Dialing Code: 216

TEUCRIUM CHAMAEDRYS

Attractive evergreen hardy border plant for edging walks and gardens. Foliage resembles English boxwood.

TOP-SIZED FIELD PLANTS

\$20.00 per 100

\$180.00 per 1000

WELL-ROOTED CUTTINGS

\$5.00 per 100

\$45.00 per 1000

BEARDSLEE NURSERY

Perry, Ohio

Estate Planning, Varied Problems, Topics Discussed On Long Island

By Robin Todd

Highlight of a recent meeting of the landscape contractors' division of the Long Island Nurserymen's Association was a discussion of estate planning by a panel consisting of an attorney, an estate planner, a certified public accountant and a trust officer.

It was brought out that, because of the complexity of current tax forms and tax structures, the nurseryman or landscape contractor would be wise to enlist planning specialists to assure the desired disposition of his estate or business after his death. Estate plans, which should be reviewed at frequent intervals to keep them up to date, actually cost little and save much for the survivors.

The lawyer suggested making a will in order to serve the best interests of the business and of the family. In addition, an executor or trust officer is now recommended, in order to meet any problems that may arise at the time that the estate is to be settled. A friend or relative usually does not have enough experience to handle such matters and is likely to be tied up with his own business problems. Apparently a team of an attorney, a C.P.A., a trust officer and an underwriter or insurance broker is required for the most efficient estate planning.

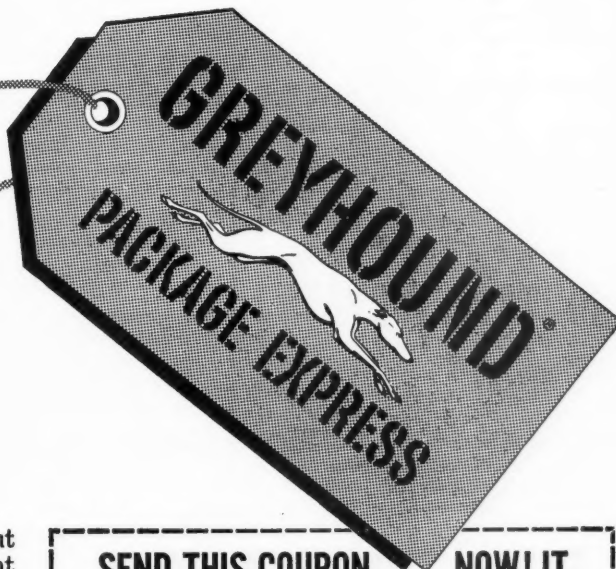
Current Nursery Problems

William Titus, Nassau county extension service, reviewed some of the problems confronting landscape contractors and nurserymen. He reported that, in one block of 35 Carolina rhododendrons, 20 were wilted with botryosphaeria canker.

He suggested that all nurserymen now check their rhododendrons and look for severe wilting. If this is found, a stem should be pruned out and the cross section examined for a pie-shaped chocolate-brown segment, which is a typical indication of this disease and distinguishes it from phytophthora, which will also cause wilting.

He asked that nurserymen who find this evidence of botryosphaeria canker report the information to him and then severely cut the rhodo-

FLOWERS ARRIVE SAME DAY!



Got a shipment going hundreds of miles? Get it out by 9 A.M.... it arrives the same day! Got a shipment going about 50 miles? Ship it out around 9 A.M.... it's there by noon!

Whatever the destination of your shipment, chances are, a Greyhound is going there anyway... *right to the center of town.* Greyhound travels *over a million miles a day!* No other public transportation goes to so many places—so often.

You can ship anytime. Your packages go on regular Greyhound passenger buses. Greyhound Package Express operates twenty-four hours a day...seven days a week...including weekends and holidays. What's more, you can send C.O.D., Collect, Prepaid...or open a charge account.

SEND THIS COUPON NOW! IT CAN SAVE YOU TIME AND MONEY!

GREYHOUND PACKAGE EXPRESS
DEPT. 15 K, 140 S. DEARBORN ST., CHICAGO 3, ILLINOIS

Gentlemen: Please send us complete information on Greyhound Package Express service...including rates and routes. We understand that our company assumes no cost or obligation.

NAME _____ TITLE _____

COMPANY _____

ADDRESS _____

CITY _____ ZONE _____ STATE _____

IT'S THERE IN HOURS...AND COSTS YOU LESS!

New and Coming Sure-Fire Roses



DRESDEN (Plant Patent No. 1857), retail \$3.50. One of the finest new roses of the world. Vigorous hybrid tea bush producing prize-winning quality blooms. 55 or more petals. Color is white with very light pink blush. In warm weather the bloom is often pure white. The dark green foliage is disease resistant. This variety has been tested and enthusiastically received in all parts of the country.

PUREGOLD (Plant Patent No. 1859), retail \$3.00. A rich yellow-colored hybrid tea with long pointed bud and color that never fades. Bloom repeats well. Very lustrous foliage.

BROCADE (Plant Patent No. 1856), retail \$3.00. A bicolor rose-pink and white hybrid tea. Tall-growing bush produces flowers almost as large as Peace. Flowers have firm texture and nice fragrance.

BINGO (Plant Patent No. 1392), retail \$2.50. A luminous deep red hybrid tea with grandiflora tendencies. Has been gaining in popularity each year since introduction. Rated 7.7 on list of high-rated red hybrid teas. Wonderful fragrance.

PINK FRAGRANCE (Plant Patent No. 1493), retail \$2.25. A deep pink hybrid tea with excellent bud form and very lustrous foliage. Delightful strong fragrance. Excellent repeat bloomer.

ASK YOUR GROWER OR WRITE:

THE MONROE NURSERY CO.

Ilgenfritz Since 1847

Box 665

Monroe, Mich.

King-Size Outdoor-Rooted Cuttings **BEATRIX FARRAND**

Forsythia

ARNOLD ARBORETUM INTRODUCTION

Brand-new beauty with golden florets often 2 ins. across—orange throat. This stock is propagated outdoors and may be lined out directly into the field. Get this new beautiful flowering shrub to please your customers.

\$15.00 Per 100 \$135.00 per 1000

BEARDSLEE NURSERY

Perry, Ohio

ROSES

Quality and Service

**MENTOR
ROSE GROWERS, INC.**
445 Little Mountain Rd.
Mentor, Ohio

SMALL FRUIT PLANTS and VEGETABLE ROOTS

We grow for the whole-sale trade only.

KRIEGER'S WHOLESALE NURSERY

Bridgman, Mich.

Peach

Hydrangea P. G.

Hydrangea P. G. (Tree Form)

Ornamental Trees

Grapevines, 1-yr. and 2-yr.

Thorne Brewster

WILLOWBEND NURSERY
PERRY, O.

Scarff's Nursery
FRUITS
ORNAMENTALS
LINING-OUT STOCK
Send for Complete Trade List.
NEW CARLISLE, O.

dendrons down to good, sound wood. In addition, he recommended Bordeaux or other fixed copper sprays as control measures.

Mr. Titus says that he has 45 to 50 different ground covers on exhibit in the Nassau county park. He treated most of these ground covers, including pachysandra, myrtle, euonymus and ivy, with six pounds of actual Simazine per acre and found that the Simazine did a good job of controlling weeds, except for crab grass.

Fall Fertilizing

Remarking that some nurserymen are planning to make a late fertilization in November for shade trees, he recommended a 10-6-4 formulation, high in organic nitrogen, banded around the trees. He did not suggest it for very sandy soil but thought it would be effective on good nursery soil. It should compare favorably with spring fertilization, which local nurserymen find it difficult to accomplish at the correct time, as they are busy digging orders.

Regarding new lawns seeded in October, Mr. Titus suggested the use of salt marsh hay as a mulch. Most landscape men use too much hay or put it on too solidly. He said that after the mulch is applied one should be able to see half of the area of the seedbed. Then, after most of the lawn has germinated, he recommended the removal of at least half of the mulch material.

WETWOOD DISEASE

[Continued from page 13]

grass at the base of an affected tree may be killed if the flux drops on them. Growth of air-borne bacteria and yeast in the fluxing sap may produce gray to brown, foamlike, ill-smelling, slimy masses around the wounds. This slimy material is commonly called slime flux.

Cracks probably develop in the wood during the winter months, at times when the temperature falls rapidly to low points. Toxic sap from the wetwood-affected heartwood oozes out through these cracks and kills the cambium for some distance around the cracks. This results in the separation of the bark from the underlying wood, and oval to elongate pockets are formed between the bark and the wood. Cracks in the bark with flux oozing through them become apparent in June or July. Many such cracks callus over during the same growing season. The callused-over cracks will not flux in succeeding years if the callus tissues produced are strong

[Continued on page 64]

"SLIP-ON" PLASTIC LABELS

NEWEST AND MOST PRACTICAL OF ALL PLANT LABELS!

**SO NEW!
SO PRACTICAL!**
16 times stronger in sub-zero temperatures

Patent No. 2,442,684

Patented locking device assures you a permanent, easily attached, adjustable label. Minimizes girdling the canes of either soft or hard wood plants. Guards against loss of labels. Absolutely waterproof. Will not wilt in hot weather.


Plain or varieties Imprinted permanently

Add \$2.00 to imprinted prices if imprinting is desired on both sides. Trade-marks billed at cost. Photos or black-and-white drawings must accompany trade-mark orders. Parcel-post shipment up to 20 lbs. Over 20 lbs., least expensive way possible—unless otherwise specified. All shipments F.O.B. DAYTONA BEACH, FLA.

Available in 6 fadeproof colors . . . RED, GREEN, ORANGE, YELLOW, BLUE, WHITE

No.	Size	Per 1000	Imprinted	Weight
No. 25	1/2x5 ins.)			
1000 to 4000		\$5.50	\$7.00	
5000 to 9000		4.75	6.25	1 1/4 LBS.
10,000 to 49,000		4.00	5.50	
50,000 to 99,000		3.25	4.75	PER 1000
100,000 or more		2.50	4.00	
No. 87 or 87C	3/8x7 ins.)			
1000 to 4000		7.50	9.00	
5000 to 9000		6.50	8.00	2 1/4 LBS.
10,000 to 49,000		5.50	7.00	
50,000 to 99,000		4.75	6.25	PER 1000
100,000 or more		4.00	5.50	
No. 47 or 47C	3/8x7 ins.)			
1000 to 4000		8.50	10.00	
5000 to 9000		7.50	8.75	3 LBS.
10,000 to 49,000		7.00	7.75	
50,000 to 99,000		6.25	7.00	PER 1000
100,000 or more		5.50	6.25	

87C and 47C in the above price list indicates "V" notch.

 YOUR NAME HERE PRICE

SEND COUPON TODAY!

P. O. Box 350 Daytona Beach, Fla.

ECONOMY LABEL SALES CO. INC.

ENCLOSED FIND \$.....FOR WHICH YOU MAY SHIP
THE FOLLOWING ITEMS CHECKED BELOW BYEXPRESS;
.....PARCEL POST;MOTOR FREIGHT;BEST WAY.

YOUR NAME (print).....

CITY.....ZONE.....STATE.....

STREET NO.....R.F.D.....BOX.....

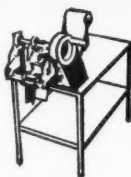
SHIPPING POINT.....COUNTY.....

PLASTIC "SLIP-ON" LABELS (If different from post office)

SIZE	QUANTITY	IMPRINT NAME & ADDRESS	IMPRINT VARIETIES	IMPRINT TRADE-MARK	PRICE
NO. 25					
NO. 87					
NO. 87C					
NO. 47					
NO. 47C					

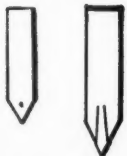
IMPRINT MY "SLIP-ON" LABELS AS FOLLOWS:

*A VARIETY LIST IS ENCLOSED.....(yes or no). Made in U. S. A.



IMPRINTING MACHINES

Imprints permanently 9000 plastic labels per hour. Automatic, compact. Rugged design. Terms available.



TY-ON AND STICK-IN PLASTIC LABELS

Durable, waterproof. 6 fadeproof colors. Imprinting additional.

REMOVABLE PLASTIC CARD

PERMANENT PLOT MARKERS

Weather resistant 3x 5-in. plastic card. Inserts in 24-in. aluminum stake. Interchangeable. 50c ea.

Single Red
HIBISCUS

98¢

GARDEN MARKERS

All - aluminum tube stake 3 ft. long, 5/8x7-in. plastic insert card plus 2x7-in. interchangeable plastic pricing card. \$1.04 each.



CUSTOM LABELS

Heavy plastic. Available in any size, with or without holes. Ask for quotations.



"SLIP-ON" E-Z LABEL

Fast application. Heavy duty. Double strength. Waterproof. Fadeproof. Red, green, yellow, orange, blue, white.

Imagine ANY ORDER OF \$250 OR MORE CONTAINER GROWN PLANTS YOUR NURSERY

ACT TODAY AND GET ON THE ROAD TO LARGER PROFITS!

Shipping costs are low! So low,
it is GOOD BUSINESS to order
MN quality every time!

This is quality you can depend
upon — choose from over
1,400 varieties of the world's
finest container grown
ornamentals. Healthy plants
whose husky root systems have
never left the original growing soil
are delivered at your nursery
ready to sell!

QUANTITY DISCOUNTS
1000 PLANTS 10% • 500 PLANTS 5%

THESE DISCOUNTS APPLY IF
THE FOLLOWING REQUIREMENTS
ARE MET:

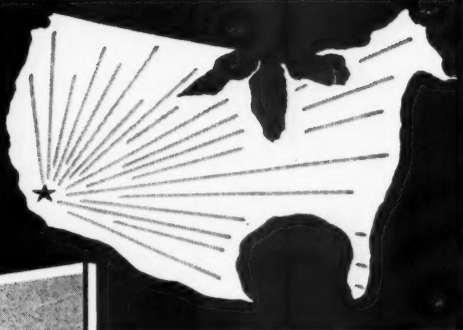
All plants must be of one variety.
All plants must be of one size.
All plants must be shipped at one time.

**PACKING,
LOADING
AND
BRACING
ARE
*Free!***



MONROVIA NURSERY Co.

ORRE OF 1, 2, & 5 GALLON AND DELIVERED DIRECT TO



ip all over the United
For complete details on
sentments direct to your nursery,
whurther information.

in ordering a **FULL-TRUCK**

will result in additional
ings on freight.

your order in advance
ment can be made on time.

ect and reserve your

rock today!

• MEMO •

*Distance is no longer a penalty
when you order MN pot-grown liners.
No matter where you live, we share
your shipping costs with savings
up to 50 per cent and more.*

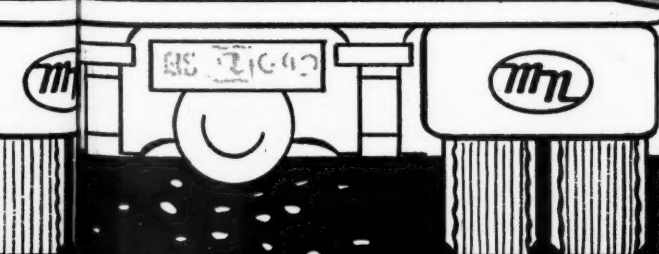
*No other charges to pay; your share
of the shipping costs appears on
one bill — at these low rates, liners laid
down your nursery — via our
choice of carrier.*

EAST OF THE MISSISSIPPI

2 1/4" pot... 2¢ 2 1/2" Rose pot &
3" pot... 4¢

WEST OF THE MISSISSIPPI (Including Minnesota and Louisiana)

2 1/4" pot... 1¢ 2 1/2" Rose pot &
3" pot... 2¢



P.O. BOX Q, AZUSA, CALIFORNIA

SALESYARD AND LANDSCAPE SIZES

TAXUS

12 to 15-in.	Adams columnaris	Halloran
to	Andersoni	Hicks
30 to 36-in.	Browni	Hiti
Grades	Cuspidata	Intermedia
	Densiformis	Media

JUNIPERS

Regular and Blue Pfitzer	Spartan
Compact Pfitzer	Glaucia
Glaucia hetzi	Scopulorum
Keteleeri	Canaerti
Burki	Dundee

FALL

FOR THE MIDWEST

SPRING

Illinois-grown, transplanted, well-sheared, well-dug.
All hand-dug, B&B, with digging forms, assuring uniform solid balls.

Write or phone for more complete list and terms.

NORTHERN-GROWN, FAR ENOUGH SOUTH FOR EARLY SPRING DELIVERY.
ECONOMICAL TRUCK DELIVERY CAN BE ARRANGED.

H. B. HARTLINE FARM

(On U. S. 51, south of Carbondale, Ill.)

Makanda, Ill.

ENGLISH IVY

from 2¼-in. pots.

Per 100
\$10.00

Per 1000
\$90.00

Ready for immediate delivery.

Write for Complete List of Other Plants

R. H. MURPHEY'S SONS CO.

Phone 3-4211

Urbana, Ohio

Cole's Nationally Advertised

SUNBURST

*Plant Pat. No. 1313

brings your
business

MORE SALES . . . MORE PROFITS

Your customers are reading about SUNBURST in the magazines above. Make sure of your share of the business created by this sales-producing campaign. Order your supply now. Get complete information on all sizes and prices of fast-selling SUNBURST in our Trade List of 360 varieties of high quality nursery stock from Ohio's Largest Wholesale Nursery.

THE COLE NURSERY Co., Painesville, Ohio

TOP-GRADE NURSERY STOCK

From Liners to Landscape
See the classified columns
for fall specials.

DUGAN NURSERIES, INC.
Center St. Perry, Ohio

LYNWOOD GOLD FORSYTHIA

Recent import from Ireland. Full-flowered; deep golden color. Heavy, outdoor frame rooted cuttings, approximately 1 ft.

\$12.00 per 100; \$100.00 per 1000.
BEARDSLEE NURSERY
Perry, Ohio



enough to withstand the pressure that develops in the underlying diseased wood.

Yellowing

Leaves on some trees may droop and turn yellow but not wilt. Many leaves that turn yellow may fall prematurely during late July and August. This yellowing of foliage is not easily differentiated from yellowing which results from adverse climatic conditions and does not result in any noticeable effect on the growth of the tree.

Foliage scorch resulting from wetwood appears as browning of tissues, usually between the veins but occasionally along the margins of leaves. These symptoms appear most frequently during late July and August. Many of the scorched leaves may drop prematurely. Scorch has no noticeable effect on the tree's growth.

Foliage Wilt

Wilt occurs on elms affected with wetwood when sufficient quantities of the toxic sap accumulated within the trunk wood are carried into the branches. The sap spreads through the current-season spring wood in the branches. Leaves on the affected branches first curl upward along their margins; then the petioles become flaccid, and finally the leaves droop. Curl and droop are followed by wilt. Some leaves that wilt rapidly may drop from the trees while still green. Other leaves that wilt rapidly may take on a dull, greenish-brown or somewhat bronzed appearance by the time they fall. Leaves that wilt slowly may turn yellow or brown before they fall. Many of the brown leaves may remain on the affected branches for several weeks.

Foliage wilt, resulting from the toxic wetwood sap's spreading into branches, has been observed on trees as large as 10 inches in diameter at breast height, but most frequently on trees three to six inches d.b.h. Elms more than 10 inches d.b.h. affected with wetwood usually do not wilt but frequently develop yellowing and browning of the foliage, followed by leaf drop and branch dieback. General decline may occur in these larger trees.

Conspicuous foliage wilt is frequently followed by dying back of affected branches. This dieback may be limited to tip portions of branches, or entire branches may die. In some trees, few branches die during a single growing season, and the trees recover in succeeding years. In others a few scattered branches die annually, and the trees show a gradual decline over a period of years. In large, old trees, this gradual de-

Plants that live and Grow!

Better stands. Pot plants have a better root system and stand the shock of transplanting better than bare-root stock. You get better stands; it costs you less per plant to care for them in the field; you have more finished stock to sell.

Better growth. Pot plants start off quicker and make a better first-season growth; thus they are ready to market sooner.

You can plant later. Pot plants can safely be set out in the field much later than bare-root stock. This gives you more planting time in your busy season. With irrigation you can plant nearly all summer.

Minimum Quantities. Please do not order less than 25 of any one plant.

SHRUBS

BERBERIS (Barberry)	Each
Mentorensis, 2 1/4-in. pots.....	\$0.20
Red-leaved, 2-yr., S., 9 to 12 ins.	.10
CALLICARPA	
Dichotoma, 2 1/4-in. pots.....	.16
CARYOPTERIS	
Azure, new, improved, 2-in. pots	.16
CHAENOMELES	
Glowing Amber (T.M.), layers...	.10
Indian Chief, 2 1/4-in. pots.....	.16
Texas Pink, 2 1/4-in. pots.....	.16
COTONEASTER	
Divaricata, 2 1/4-in. pots.....	.18
Multiflora, 2 1/4-in. pots.....	.18
CRAPE MYRTLE	
(See Lagerstroemia)	
DESMODIUM	
Penduliflorum, 2 1/4-in. pots.....	.18
DEUTZIA	
Corymbosa (Himalayan Deutzia)	
2 1/4-in. pots.....	.16
EUONYMUS	
Alatus compactus, 2 1/4-in. pots...	.16
FORSYTHIA	
Arnold's Dwarf, 2 1/4-in. pots.....	.16
Beatrix Farrand, 2 1/4-in. pots.....	.16
Intermedia spectabilis,	
2 1/4-in. pots.....	.15
Lynwood Gold, 2 1/4-in. pots.....	.16
Spring Glory, 2 1/4-in. pots.....	.16
Viridissima bronxensis, 2-in. pots	.16
Yellow-leaved, 2 1/4-in. pots.....	.16
HYPERICUM	
Kalmianum, 2-in. pots.....	.16
KOLKWTZIA	
Amabilis, 2 1/4-in. pots.....	.16
LAGERSTROEMIA (Crape Myrtle)	
Hewitt's Rose, 2 1/4-in. pots.....	.16
William Toovey, 2 1/4-in. pots.....	.18
LONICERA (Bush Honeysuckle)	
Arnold's Red, 2 1/4-in. pots.....	.18
Clavey's Dwarf, 2 1/4-in. pots.....	.16
Fragrantissima, 2 1/4-in. pots.....	.16
Korolkowi floribunda,	
2 1/4-in. pots.....	.16
Tatarica Wheeling, 2 1/4-in. pots...	.16
Tatarica zabeli, 2 1/4-in. pots.....	.16
PHILADELPHUS (Mock Orange)	
Coronarius, 2 1/4-in. pots.....	.15
Virginalis, 2 1/4-in. pots.....	.16
PHYSCARPUS	
Opulifolius nanus, 2 1/4-in. pots...	.16
PRUNUS	
Besseley (Hansen Bush Cherry)	
18 to 24 ins., S.....	.05
12 to 18 ins., S.....	.03
6 to 12 ins., S.....	.02 1/2
Glandulosa alba, 2 1/4-in. pots.....	.18
Glandulosa rosea, 2 1/4-in. pots...	.18
QUINCE (See Chaenomeles)	
SPIRAEA	
Anthony Waterer, 2 1/4-in. pots...	.17
Freibell, 2 1/4-in. pots.....	.16
Japonica coccinea, 2 1/4-in. pots...	.18
Prunifolia plena, 2 1/4-in. pots.....	.16
SYRINGA (Lilac)	
Rothomagensis, 2 1/4-in. pots.....	.16
Rothomagensis, cut-leaved,	
2 1/4-in. pots.....	.18
Rothomagensis, pink, 2 1/4-in. pots	.18
VIBURNUM	
Opulus, 2 1/2-in. pots.....	.16
Opulus sterile, 2 1/4-in. pots.....	.16
WEIGELA	
Java Red, 2 1/4-in. pots.....	.18
Newport, 2 1/2-in. pots.....	.16
Rosea, 2 1/2-in. pots.....	.16
Variegated Leaf, 2 1/2-in. pots.....	.18

SHADE AND ORNAMENTAL TREES

ACER SACCHARINUM	Each
(Soft Maple)	
2 to 3 ft.....	\$0.06 1/2
18 to 24 ins.....	.04 1/2
12 to 18 ins.....	.03 1/2
CELTIS OCCIDENTALIS	
(Hackberry)	
2 to 3 ft.....	.06
18 to 24 ins.....	.04 1/2
12 to 18 ins.....	.03
6 to 12 ins.....	.02
FRAXINUS LANCEOLATA	
(Green Ash)	
2 to 3 ft.....	.05
18 to 24 ins.....	.03 1/2
12 to 18 ins.....	.02 1/2
GLEHUTSIA TRIACANTHOS	
INERMIS	
(Thornless Honey Locust)	
2 to 3 ft.....	.05
18 to 24 ins.....	.03 1/2
12 to 18 ins.....	.02 1/2
6 to 12 ins.....	.02
PRUNUS ARMENIACA (Apricot)	
3 to 4 ft.....	.07 1/2
2 to 3 ft.....	.06
18 to 24 ins.....	.05
12 to 18 ins.....	.03
QUERCUS BOREALIS	
(Northern Red Oak)	
4 to 5 ft.....	.35
3 to 4 ft.....	.18
2 to 3 ft.....	.14
18 to 24 ins.....	.10
12 to 18 ins.....	.07 1/2
QUERCUS PALUSTRIS (Pin Oak)	
3 to 4 ft.....	.18
2 to 3 ft.....	.14
18 to 24 ins.....	.10
12 to 18 ins.....	.07 1/2
8-in. pots.....	.15
QUERCUS PALUSTRIS (Pin Oak)	
Trimmed, heavier seedlings; will	
make up into shade trees 2 years	
earlier than regular seedlings.	
6 to 8 ft., 1-in. cal.....	1.50
4 to 6 ft., 3/4-in. cal.....	1.00
4 to 5 ft., 1/2-in. cal.....	.75
QUERCUS RUBRA	
(Eastern Red Oak)	
12 to 18 ins.....	.12
6 to 12 ins.....	.08
ROBINIA PSEUDOACACIA	
(Black Locust)	
3 to 4 ft.....	.06
2 to 3 ft.....	.04
18 to 24 ins.....	.03
12 to 18 ins.....	.02 1/2

BROAD-LEAVED EVERGREENS

COTONEASTER	Each
Divaricata, 2-in. pots.....	\$0.18
EUONYMUS	
Dupont (T.M.), 2-in. pots.....	.20
Fortunei coloratus, 3-in. pots.....	.30
Fortunei coloratus, 2-in. pots.....	.16
Fortunei, 2-in. pots.....	.20
Fortunei minimus, 3-in. pots.....	.30
Fortunei minimus, 2-in. pots.....	.20
Fortunei Sarcoxie, 2-in. pots.....	.20
Fortunei vegetus, 2-in. pots.....	.20
Manhattan, 2-in. pots.....	.20
Patens, large-leaved, 2-in. pots...	.16
LONICERA	
Yunnanensis	
(Yunnan Honeysuckle)	
2-in. pots.....	.30
PYRACANTHA (Firethorn)	
Coccinea, Vincent's Hardy Strain	
2 1/2-in. pots.....	.20
Coccinea pauciflora, 3-in. pots...	.22
Coccinea pauciflora, 2 1/4-in. pots...	.18

EVERGREENS

JUNIPERUS (Juniper)	Each
Chinensis pfitzeriana,	
2 1/4-in. pots.....	\$0.20
Chinensis pfitzeriana, golden,	
2 1/4-in. pots.....	.20
Chinensis pfitzeriana, silver,	
2 1/4-in. pots.....	.20
Communis depressa plumosa,	
2 1/4-in. pots.....	.20
Kosteri plumosa, 2 1/4-in. pots...	.20
Sabina (Savin), 2 1/4-in. pots...	.20
Sabina vonehron, 2 1/4-in. pots...	.20
TAXUS (Yew)	
Cuspidata (Japanese Yew),	
2 1/2-in. pots.....	.20

EVERGREEN GRAFTS

Made by skilled workmen in our up-to-the-minute propagation plant for spring, 1961, delivery.

Juniperus virginiana understock used exclusively unless otherwise specified (Hetzi available).

Minimum order: 25 of any one variety.
\$65.00 per 100 \$600.00 per 1000

JUNIPERUS (Juniper)			
Ames	Iowa	Manely	
Columnaris Blue	Keteleeri		
SCOPULORUM			
Blue-Green	Chandler	Steel Blue	
Blue Haven	Moffet	Sutherland	
Cologreen	Pathfinder	Welch	
Gray Gleam		(Plant Patent No. 848) \$1.00 each	
Platinum (Patent No. 1070),		\$1.00 each	
VIRGINIANA			
Burki	Henryi		
Canaertii	Hilli (Dundee)		
Cupressifolia	Manhattan Blue		
Defores Green			

Other varieties can be grafted to order if scions are available.

VINES AND GROUND COVERS

AJUGA	Each
Reptans, 2-in. pots.....	\$0.16
AMPELOPSIS	
Aconitifolia, 2 1/4-in. pots.....	.16
CELASTRUS	
Scandens, 2-in. pots.....	.16
CLEMATIS	
Paniculata, 2-in. pots.....	.15
Tangutica, 3-in. pots.....	.22
EUONYMUS	
Fortunei coloratus, 3-in. pots...	.30
Fortunei coloratus, 2-in. pots.....	.16
Fortunei minimus, 3-in. pots.....	.30
Fortunei minimus, 2-in. pots.....	.20
LONICERA (Honeysuckle)	
Goldflame (T.M.), 2 1/4-in. pots...	.18
Japonica halliana, 3-in. pots.....	.20
Japonica halliana, 2-in. pots.....	.12
Japonica halliana, purple-leaved,	
2-in. pots.....	.16
Redgold (T.M.) (Teilmanniana),	
2 1/4-in. pots.....	.18
POLYGONUM	
Reynoutria, 3-in. pots.....	.20
Reynoutria, 2 1/4-in. pots.....	.18
VINCA	
Minor, 3-in. pots.....	.20
Minor, 2-in. pots.....	.16
Minor, Bowles, 2-in. pots.....	.18
Minor rubra, 2-in. pots.....	.30

THE WILLIS NURSERY CO.

Phone: CHerry 2-2525

"Your Wholesale Nurseryman"

OTtawa, Kan.

A tree for prestige
and profit . . . the

Moraine® Ash

ONE-YEAR TOP, Whips

	10 to 29	30 to 99	100 to 299
4 to 5 ft.	\$ 1.80	\$ 1.65	\$ 1.50
5 to 6 ft.	2.25	2.00	1.80
6 to 7 ft.	2.75	2.50	2.25
7 to 8 ft.	3.35	3.00	2.70
8 to 9 ft.	4.00	3.60	3.20

TWO-YEAR or more TOPS, branched

6 to 8 ft., 1/2 to 1/4-in. cal. .	5.50	5.00	4.50
8 to 10 ft., 1 to 1 1/4-in. cal. .	7.75	7.00	6.25
1 1/4 to 1 1/2-in. cal.	10.00	9.00	8.10
1 1/2 to 1 3/4-in. cal.	12.50	11.25	10.15
1 3/4 to 2-in. cal.	15.00	13.50	12.00
2-in. cal., B&B	24.00	21.60	19.50

Siebenthaler's

3001 Catalpa Dr. Dayton 5, Ohio

WISCONSIN-GROWN CHRISTMAS TREES

Balsam Fir, Native
and Plantation Spruces

Sheared Scotch, White
and Red Pines

Boughs, Wreaths,
Roping

Write for List of
Producers and Products
Offered in 1960

WISCONSIN CHRISTMAS TREE
PRODUCERS ASSOCIATION, INC.

West Salam, Wisconsin

R. B. Tremain, Secty.-Treas.

cline may be attributed to old age when actually it is one phase of the wetwood disease.

Treatment

Trees fluxing, wilting or showing other symptoms of wetwood should be examined for wounds through which toxic sap or flux is exuding. Such wounds may be in branches or in the trunk below the affected branches. A hole bored in the branch or trunk below the wound will allow the flux to escape and will prevent further oozing. A drain pipe, if properly inserted in the hole, will prevent the flux from coming in contact with the cambium and flowing over the outer surface of the bark. This treatment prevents additional toxic sap from being taken into the current-season wood and should prevent additional wilt.

Many branches on which the leaves have wilted from wetwood do not die, but produce a new crop of leaves later in the current growing season or during the following growing season. Since the wetwood organism is usually widespread in the trunk and older branches, pruning wilted branches will not eliminate the disease. Pruning can be delayed until the following spring, when only the deadwood should be removed. This delay in pruning frequently may prevent destroying the ornamental value of the tree. Feeding will stimulate more vigorous growth and may aid wetwood-affected trees to overcome the adverse affects of the disease.

Locate Source of Trouble

Before holes are bored in trees to correct fluxing, the source of the trouble should be determined. Fluxing and the subsequent development of slime flux may arise from wounds in the bark which penetrate only to the cambial region. Such wounds may be made by insects, pruning tools, ice, wind and lightning. Fermenting bacteria may enter through these wounds and ferment the sap. Fluxing from such small, localized wounds will not be stopped by boring holes in the affected tree. Wounds of this type should have the diseased bark removed. The underlying wood should be disinfected and coated with wound dressing.

Special care should be taken to drain properly the toxic sap from affected trees. However, there is no hard and fast rule for determining where the drains should be installed. In some cases, a drain installed in the base of the trunk of a large elm has stopped the fluxing of several wounds along the trunk. Effective

THE MEAD NURSERY

Rt. 3, Box 213

Oconomowoc, Wis.

Wholesale Growers
of Landscape Stock

French Lilacs

Flowering Crab Apples

Honey Locusts

Maples -- Willows

Canoe Birches

Euonymus Fortunei

Pfitzer Junipers

Write for List

EVERGREEN SEEDLINGS and TRANSPLANTS

For Fall and Spring Delivery

Per 1000

Colorado Blue Spruce	
4-yr., T., 7 to 14 ins.	\$75.00
4-yr., T., 4 to 7 ins.	50.00
Norway Spruce	
4-yr., T., 10 to 16 ins.	55.00
2-yr., S., 4 to 8 ins.	18.00
White Spruce	
4-yr., T., 10 to 16 ins.	49.00
4-yr., T., 5 to 9 ins.	32.00
Black Hills Spruce	
4-yr., T., 8 to 12 ins.	60.00
Concolor Fir	
4-yr., T., 5 to 10 ins.	85.00
4-yr., T., 3 to 6 ins.	50.00
Blue Douglas Fir	
4-yr., T., 7 to 12 ins.	50.00
4-yr., T., 5 to 7 ins.	40.00
Gray Douglas Fir	
4-yr., T., 12 to 20 ins.	60.00
4-yr., T., 8 to 12 ins.	45.00
2-yr., S., 4 to 8 ins.	18.00
Balsam Fir	
4-yr., T., 9 to 14 ins.	60.00
2-yr., S., 2 to 4 ins.	12.00
Scotch Pine (Spanish Sierra or French Auvergne)	
3-yr., T., 7 to 14 ins., 6 to 12 branches per plant ..	45.00
2-yr., S., 7 to 10 ins.	15.00
Scotch Pine, nonyellowing	
4-yr., T., 12 to 16 ins.	60.00
8 to 12 ins.	35.00
Scotch Pine (Bavarian)	
4-yr., T., 10 to 14 ins.	50.00
6 to 10 ins.	30.00
Scotch Pine (Austrian Hills)	
4-yr., T., 12 to 16 ins.	40.00
2-yr., S., 8 to 12 ins.	15.00
Austrian Pine	
4-yr., T., 12 to 16 ins.	55.00
3-yr., T., 6 to 10 ins.	40.00
3-yr., T., 4 to 6 ins.	20.00

Full satisfaction guaranteed. All transplants are very heavily branched.

W. S. YOE NURSERIES
Madison, Ohio

"Even through
cloth,
FMC
Tropic Breeze
wind machines
gave us good
protection"

*Mrs. J. L. Markwood, Manager
Roman J. Clapgood Co.,
Sun City, Florida*

Shown at right, below, discussing wind machine
performance are Mrs. J. L. Markwood and Mr. Frank Morin.

**FMC TROPIC BREEZE
WIND MACHINES PROVIDE
FROST SECURITY FOR
DELICATE MUMS
AND POMPONS**

Frost protection is a critical necessity for fragile flowers—that's why the Clapgood farm relies on FMC Tropic Breeze wind machinery. Installed to protect four 2½ acre blocks, the FMC equipment affords ample protection for the beds even through their cloth covering. According to Frank Morin, grower, temperature differentials of 3° were experienced during use of the Tropic Breeze machine this past winter.

FMC Tropic Breeze wind machines are gaining in popularity throughout the country as the best, most modern, dependable and economical way to provide really adequate frost protection. Immediate temperature change, cleanliness of operation and less labor are also good reasons. Look into the advantages of FMC wind machines for protecting your nursery or farm. Send in the coupon today.



Putting Ideas to Work

**Florida
Division**

General Sales Offices:
Lakeland, Florida
Plants: Lakeland, Florida
Woodstock, Virginia

FOOD MACHINERY AND CHEMICAL CORPORATION, FLORIDA DIVISION
Fairway Avenue, Lakeland, Florida

- ☐ Please send me sales literature on Tropic Breeze Wind Machines.
☐ Please have Sales Engineer contact me.

Name _____ Title _____

Address (RFD) _____

City _____ Zone _____ State _____

RED and GOLD

"JAVA RED" WEIGELA

(Weigela florida atropurpurea)

An easily grown RED-LEAVED WEIGELA with clear pink flower clusters.

Heavy outdoor-rooted cuttings, \$30.00 per 100, \$250.00 per 1000.

These two items are unusual, attractive and completely hardy in our locality. Order your stock early.

BEARDSLEE NURSERY

Perry, Ohio.

"GOLD-LEAF" FORSYTHIA

(Forsythia intermedia aurea)

Golden-leaved Forsythia with pale yellow flowers. Found by us in a flowering shrub border.

Heavy outdoor-rooted cuttings, \$30.00 per 100, \$250.00 per 1000.

drainage of the accumulated gas and sap from the diseased wood is usually obtained by installing drains a short distance below the fluxing region. Fluxing wounds, where branches have been removed, usually can be drained by boring a hole three-eighths to half an inch in diameter, six to 14 inches directly below the fluxing region.

Fluxing cracks in trunks and in branch crotches may or may not respond to the same treatment. In some cases, it may be necessary to bore several holes before satisfactory drainage is obtained. The crack in the wood may not be directly behind the crack in the bark through which the sap is fluxing. These bark and wood cracks may be so located that a hole bored directly beneath the bark crack will not be directly beneath the wood crack, and effective drainage will not result.

Drain holes should have sufficient slant to allow the wetwood sap to flow out, and they should extend through the heartwood to within a few inches of the bark on the opposite side of the trunk.

Prevent Bacteria Spread

Precautions that may be taken to prevent spreading the wetwood bacterium from diseased to healthy trees should be considered. Although wetwood appears to be present in most elms it occurs only occasionally in most other trees. The wetwood bacterium is closely related to the fire blight bacterium. Possibly the pruning procedure followed in preventing the spread of fire blight should be followed in preventing the spread of wetwood. Also, preventing trees from fluxing will prevent insects from feeding on the bacterium-infested sap and possibly carrying it to wounds on healthy trees.

Trees treated with chemical compounds should not be pronounced cured unless the wetwood organism has been killed. Whether a tree has been cured can be determined by laboratory tests on specimens from the water-soaked heartwood and older sapwood. Suitable samples for laboratory tests can be obtained with an increment borer. If the bacterium is still alive in the diseased wood, although fluxing has ceased, the tree has not been cured; only the fluxing has been arrested. It should be kept in mind that some wetwood-affected trees overcome fluxing by sealing the wounds with callus growth. Although there is no additional evidence of external fluxing, the bacteria are still alive in the infected wood, and the tree has not been cured of the disease.

ILEX MENTOR GLOSSY

Not Patented

Growth habit is vigorous, spreading and upright, foliage is glossy dark green with a brilliant luster, harder than Ilex convexa, in the Detroit and Cleveland area winter of 1959-60.

Lining-out, from beds
2-yr., 6 to 9 ins., 45¢ each per 100
Available from:

GERALD K. KLYN NURSERY
Mentor, Ohio

LINING-OUT and FIELD-GROWN

	Each	Each
	Per 10	Per 100
2-yr., 6 to 9 ins., 45¢ each per 100		
3-yr., 9 to 12 ins., 75¢ each per 100		
12 to 15 ins., B&B.....	\$2.90	\$2.75
15 to 18 ins., B&B.....	3.35	3.25
18 to 24 ins., B&B.....	4.00	3.85
24 to 30 ins., B&B.....	5.00	4.50

NO SHIPPING—PLEASE CALL FOR:

A. SHAMMARELLO & SON NURSERY
4590 Monticello Blvd.
South Euclid 21, Ohio

LINING-OUT and FINISHED STOCK

Ask for List



**the
cottage
gardens**

Telephones:

IV. 2-9021,

IV. 2-9276.

Nick I. W. Kriek —
Harold E. Hicks
2707 W. St. Joseph St.
Lansing 17, Mich.

Just west of city limits on U. S. 27.

(OUR 36th YEAR)

REMEMBER SHERMAN'S for...

Alpine Currant
Hydrangea P.G.
French Lilacs
Snowball
Shade Trees
Evergreens
Phlox
Peonies
Plum Seedlings
Lining-out Stock

Let us quote you on your requirements.

SHERMAN NURSERY CO.
CHARLES CITY, IA.

1960-61 SPECIALTIES

**Clematis
Garden Mums
Ground Covers**

To stay abreast of the best varieties offered in these ever-popular, profit-making items, make sure you are on our mailing list.

CUNNINGHAM GARDENS, INC.
Waldron, Ind.

EUROPEAN MOUNTAIN ASH LINERS

Clusters of orange-red berries from early August through late fall. Some of the best we have seen in years.

	Per 100	Per 1000
9 to 12 ins.....	\$ 8.00	\$70.00
12 to 18 ins.....	10.00	85.00

MALUS FLOWERING CRAB APPLE GRAFTS

Some up to 3 ft., in variety.
\$25.00 per 100

CARLETON NURSERY CO.
11529 Jones Rd. Carleton, Mich.

"TREES THAT PLEASE"

Evergreens Seedlings
Shade Trees Shrubs

Write for price list.

PLUMFIELD NURSERIES

Box 471 Fremont, Neb.

SWEETHEART IVY

(Hedera Helix 238th St.)

Lovely heart-shaped leaves on sturdy stems. Extremely hardy.

	Per 100	Per 1000
Rooted cuttings	\$15.00	\$130.00
2 1/2-in. pot plants	25.00	200.00

GILSON GARDENS,
Perry, Ohio

you can't GROW wrong with **HY-GRO[®]**
SOLUBLE FERTILIZER *13-26-13**
Plus Secondary Elements

2-50 LB. BAGS

\$20

ONLY



Nurserymen! Now, you can buy HY-GRO soluble plant food in special bulk packages . . . two 50 pound bags for only \$20.00.

Developed by professionals at Rutgers University and used by nurserymen for over twenty years, HY-GRO is chelated and completely compatible with insecticides. And it's so economical at this 100 lb. bulk price

Order today from your supplier. Or, send your check for \$20.00 direct to Plantabbs.

***13-26-13**
Analysis



PLUS
 These Secondary
 Elements:

Copper
 Zinc
 Magnesium
 Boric Acid
 Manganese
 Iron
 Molybdenum



PLANTABBS CORP.

Dept. 11 • Baltimore 1, Maryland

Gentlemen:

Please send me two 50 lb. bags of HY-GRO Soluble Fertilizer.

- ☐ Enclosed is my check for \$20.
☐ Please ship to me C. O. D.

Name.....

Address.....

City..... Zone..... State.....

My Supplier is.....

PLANT NOTES HERE AND THERE

By C. W. Wood

Arabis Blepharophylla

I was not surprised when I lost all six of my *Arabis blepharophylla* during a hot, muggy spell last summer, following a wet period. The plant is fussy at all times, but especially so when it receives too much moisture and hot sun. In fact I notice that Gabrielson, writing from experience in the Pacific northwest, calls it "a fussy lover of half shade and requires perfect drainage." I also find in my garden file a quotation from the late W. H. A. Preece, in which he says that "it is strongly prejudiced against a stagnant moisture and scorching sunshine, so must have quick drainage and a cool rootrun." Normally, though, it is fairly permanent if it is given half shade and is kept as dry as possible. I believe that it has a near-dormant period in summer in its dry home in California, Oregon and Washington and resents the lush growing conditions of gardens. When given its few wants, I believe that it would please even confirmed arabis haters.

It makes a rosette of rather coarse leaves, gray with hairs in its young stage and shining after it loses its pubescence, except for a few coarse hairs. From this rosette spring stems, from one-half to one foot in height, bearing large (to an inch across), pink flowers, usually with a whitish eye. The size and color of the flowers vary not a little in plants grown from seeds; so one has to be careful in selecting stock plants. Choice plants may be grown from leaf cuttings taken in late summer, when mature; rooted in a sand bed under lath shade, and wintered in a protected frame over the first winter. It is hardy here, but deeply resents summer damp, and seedlings must be carefully watched to keep damping-off away from them. Even the leaf cuttings should be run as dry as possible without danger of flagging.

Torch Lilies

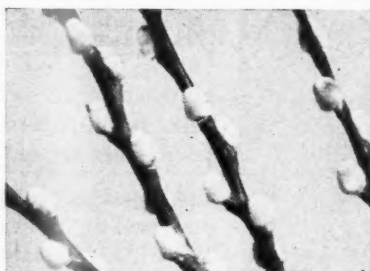
After writing the recent article on torch lilies, I have come upon a few notes in my garden books which may bear inclusion here. The genus is an interesting one and could be made far more useful in American gardens, especially in the south, where they are hardy, and in the north, too, if gardeners are prepared to give them the care needed to carry the

plants through cold winters. Following are a few kinds which escaped notice in my previous notes.

About 15 years ago I received seeds from a European source, marked *Kniphofia snowdeni*, from Uganda, which turned out to be a pleasant surprise. Its origin told me, of course, that it would not be hardy in the severe climate of northern Michigan, so it was handled accordingly and developed into a stately specimen of four feet (five feet, it is said to attain, in its warm home and even in England, from whence came my seeds). Its long tubes of scarlet, with an orange sheen, are not crowded together like the ordinary garden kinds, making an open inflorescence of much charm. It, together with others of the caulescent group, like the popular *K. uvaria*, its many hybrids, the shrubby *K. caulescens* and the shrubby *K. tysoni*, is best used as a landscape plant, I believe, though it is not without merit for cut flower purposes. The one

foot mentioned in "Hortus" for *K. caulescens* must refer to the subshrubby phase of its growth, for the scape on my plants was close to three times that high, with showy crimson and yellow flowers covering more than six inches of its summit. It, as well as *K. tysoni*, has pretty glaucous leaves, which add to its beauty. I cannot say much from experience about the last named. It is said to grow three feet or more in height, with bright red flowers in late September. It is also said to be fully shrubby, which would confine its culture to the warmer parts of America. The shrubby and subshrubby kinds may be grown from cuttings, which they produce when the stems are beheaded, and one reads of the entire stems of *K. tysoni* being planted, the aerial roots making rooting a sure thing.

I have written about *K. galpini* before in this column (soon after it was introduced to European seed channels in the 1930's); so the sub-



PINK FRENCH PUSSY WILLOW

(*Salix Discolor* Selection)

Beautiful February-forcing strain. Catkin sheath is a rich mahogany-red with attractive large silvery-pink catkins when mature.

	Per 100	Per 1000
18 to 24 ins.	\$30.00	\$250.00
24 to 36 ins.	35.00	300.00
Rooted cuttings	12.00	100.00

BEARDSLEE NURSERY Perry, O.

MAGNOLIA GROWERS

LITTLEFORD NURSERIES

Vincennes, Ind.

Phone: TUxedo 2-6808

AMERICA'S BEST SOURCE FOR

HARDY PLANTS

Write for Trade List

MENTOR, OHIO

Wayside



Gardens

A NEW EXTRA-HARDY SHASTA DAISY BORDER QUEEN

For the first time a really hardy Shasta daisy. Large double fluffy frilled-type flowers bloom prolifically on 12-in. stems. Developed in Lake County, Ohio, this Shasta will withstand adverse conditions and still produce flowers abundantly.

\$4.50 per 10 \$40.00 per 100

KINGWOOD NURSERIES
Mentor, Ohio

For the finest in

NURSERY-GROWN SEEDLINGS

Write—
Forrest Keeling
Nursery
Eisberry, Mo.

MISSOURI
GROWN
IS HARDY...

Hugh Stevenson, Prop.

ARMINTROUT'S EVERGREEN NURSERY

ALLEGAN, MICH.

Seedlings—Transplants
Finished Stock
Send for price list.

Northern-Grown Liners
Christmas Tree Seedlings
Potted Evergreens

Send for price list.

JOHN G. ZELENIKA EVERGREEN NURSERY
Rt. 2, Grand Haven, Mich.

FIELD-GROWN LINING-OUT STOCK

Transplanted stock grown in open field beds.

	Each 100 rate	Each 1000 rate		Each 100 rate	Each 1000 rate		Each 100 rate	Each 1000 rate
Abies concolor (Concolor Fir)			Ilex crenata helleri , very dwarf			Pyraecanthus cocc. islandi (Fire Thorn)		
4 to 6 ins., 4-yr., T.	\$0.30	\$0.30	4 to 6 ins., 3-yr., T.	\$0.38	...	4 to 6 ins., 2-yr., T.	\$0.38	\$0.25
6 to 8 ins., 5-yr., T. ....	.35	.25	6 to 8 ins., 4-yr., T. ....	.45	...	6 to 8 ins., 2-yr., T. ....	.32	.30
10 to 15 ins., 5-yr., T. ....	.45	.38	8 to 10 ins., 4-yr., T. ....	.75	...	8 to 10 ins., 2-yr., T. ....	.38	.35
Azalea kaempferi (Flame Azalea)			10 to 12 ins., 5-yr., T. ....	.90	...	10 to 12 ins., 3-yr., T. ....	.40	.38
3 to 6 ins., 2-yr., T. ....	.25	.22	Ilex rotundifolia (Round-leaved Holly)			12 to 18 ins., 3-yr., T. ....	.50	.45
6 to 8 ins., 3-yr., T. ....	.30	.28	8 to 10 ins., 2-yr., T. ....	.35	\$0.30	Quercus palustris (Pin Oak)		
Azalea Ghent Hybrid , mixed pastels			10 to 12 ins., 3-yr., T. ....	.40	.35	4 to 6 ins., 1-yr., S. ....	.10	.08
2 to 4 ins., 2-yr., T. ....	.20	.18	12 to 15 ins., 4-yr., T. ....	.50	.45	Rhododendron Hybrid ,		
4 to 6 ins., 2-yr., T. ....	.25	.22	12 to 15 ins., 5-yr., T. ....	.65	.60	seed; from red stock.		
Azalea mollis (Chinese Azalea)			15 to 18 ins., 6-yr., T. field.	1.00	.90	3 to 5 ins., 3-yr., T. ....	.35	.32
2 to 4 ins., 2-yr., T. ....	.12	.10	Juniper Andorra (Purple Andorra)			4 to 6 ins., 4-yr., T. ....	.45	.42
3 to 5 ins., 3-yr., T. ....	.20	.18	4 to 6 ins., 1-yr., T. ....	.22	.20	5 to 8 ins., 4-yr., T. ....	.55	.55
6 to 8 ins., 3-yr., T. field.	.25	.22	6 to 8 ins., 1-yr., T. ....	.28	.25	8 to 10 ins., 4-yr., T. ....	.85	...
Azalea macronulatum , lavender			8 to 10 ins., 3-yr., T. ....	.40	.38	10 to 12 ins., 5-yr., T.	1.00	...
1 to 3 ins., 1-yr., T. ....	.25	.20	10 to 15 ins., 3-yr., T. ....	.50	.45	12 to 18 ins., 5-yr., T.	1.50	...
4 to 6 ins., 2-yr., T. ....	.30	.25	Juniper Canadensis aurea			Rhododendron catawbiense , rosy-purple		
6 to 8 ins., 3-yr., T. ....	.35	.30	(Golden Canadian Juniper)			6 to 8 ins., ....	.50	.45
Azalea poukhanensis			4 to 6 ins., 2-yr., T. ....	.25	...	8 to 10 ins., ....	.65	.60
2 to 3 ins., 2-yr., T. ....	.22	.20	6 to 8 ins., 2-yr., T. ....	.35	...	Scotch Pine (Pinus sylvestris)		
3 to 4 ins., 3-yr., T. ....	.30	.28	Juniper glauca hetzi (Hetz Juniper)			8 to 10 ins., 4-yr., T. ....	.15	.05
Azalea schlippenbachii (Royal Azalea)			4 to 6 ins., 2-yr., T. ....	.20	.18	10 to 15 ins., 4-yr., T. ....	.15	.06
1-yr., T., bedded ....	.18	.15	6 to 10 ins., 2-yr., T. ....	.25	.22	(Order minimum, 500 at 1000 rate.)		
2 to 3 ins., 2-yr., T. ....	.22	.20	8 to 12 ins., 2-yr., T. ....	.32	.28	Taxus capitata (Upright Jap. Yew)		
3 to 6 ins., 3-yr., T. ....	.30	.28	10 to 15 ins., 2-yr., T. ....	.35	.30	Seedlings		
Buxus sempervirens welleri			12 to 15 ins., 3-yr., T. ....	.45	.42	3 to 3 ins., 2-yr., S. ....	.05	.04
(Weller's Hardy Boxwood)			12 to 18 ins., 4-yr., T. ....	.55	.50	3 to 4 ins., 3-yr., S. ....	.07	.06
4 to 6 ins., 2-yr., T. ....	.25	.22	Juniper hibernica fastigiata			4 to 6 ins., 3-yr., S. ....	.09	.07
6 to 8 ins., 2-yr., T. ....	.30	.28	(Compact Irish Juniper)			6 to 8 ins., 4-yr., S. ....	.15	.12
8 to 10 ins., 2-yr., T. ....	.35	.32	4 to 8 ins., 2-yr., T. ....	.20	.18	8 to 10 ins., 4-yr., S. ....	.18	.16
10 to 12 ins., 3-yr., T. ....	.40	.38	8 to 10 ins., 2-yr., T. ....	.25	.22	10 to 12 ins., 4-yr., S. ....	.22	.19
12 to 15 ins., 4-yr., T. ....	.50	.45	10 to 12 ins., 2-yr., T. ....	.35	.30	Taxus capitata (Upright Jap. Yew)		
Chamaecyparis filifera aurea			12 to 15 ins., 3-yr., T. ....	.45	.40	Transplants		
(Golden Thread Cypress)			Juniper horizontalis glauca			4 to 6 ins., 3-yr., T. ....	.28	.25
3 to 4 ins., 2-yr., T. ....	.25	.22	6 to 8 ins., 2-yr., T. ....	.35	.32	4 to 8 ins., 3-yr., T. ....	.30	.25
4 to 6 ins., 2-yr., T. ....	.28	.25	8 to 10 ins., 2-yr., T. ....	.40	...	8 to 10 ins., 3-yr., T. ....	.35	.32
Chamaecyparis lawsoniana allumi			10 to 15 ins., 3-yr., T. ....	.50	...	8 to 15 ins., 3-yr., T. ....	.45	.40
(Blue Cypress)			Juniper chinensis pfitzeriana			10 to 12 ins., 6-yr., T. ....	.75	.65
4 to 6 ins., 2-yr., T. ....	.22	.18	4 to 6 ins., 2-yr., T. ....	.28	.25	12 to 15 ins., 6-yr., T. ....	.90	.80
6 to 10 ins., 2-yr., T. ....	.30	.28	8 to 10 ins., 2-yr., T. ....	.32	.30	Taxus cuspidata (Spreading Yew)		
10 to 12 ins., 3-yr., T. ....	.45	.40	8 to 10 ins., 2-yr., T. ....	.45	.40	4 to 6 ins., 2-yr., T. ....	.20	.18
12 to 15 ins., 3-yr., T. ....	.50	.45	10 to 15 ins., 2-yr., T. ....	.50	.45	6 to 8 ins., 2-yr., T. ....	.25	.22
Chamaecyparis plumosa aurea			Juniper pfitzeriana compacta			6 to 8 ins., 2-yr., T. ....	.30	.28
(Golden Plumed Cypress)			8 to 10 ins., 2-yr., T. ....	.45	...	8 to 10 ins., 2-yr., T. ....	.40	.38
4 to 6 ins., 2-yr., T. ....	.22	.18	10 to 12 ins., 3-yr., T. ....	.55	...	10 to 12 ins., 3-yr., T. ....	.45	.40
6 to 8 ins., 2-yr., T. ....	.30	.28	12 to 15 ins., 4-yr., T. ....	.60	.55	10 to 12 ins., 3-yr., T. ....	.45	.40
8 to 10 ins., 3-yr., T. ....	.35	.30	Juniper pfitzeriana aurea			10 to 15 ins., 4-yr., T. ....	.65	.55
10 to 15 ins., 3-yr., T. ....	.45	.40	4 to 6 ins., 2-yr., T. ....	.28	.25	Taxus media brownii		
Colorado Blue Spruce (Picea pungens)			6 to 8 ins., 2-yr., T. ....	.35	.32	4 to 6 ins., 2-yr., T. ....	.22	.20
4 to 6 ins., 3-yr., T. ....	.18	.15	8 to 10 ins., 2-yr., T. ....	.40	.38	6 to 8 ins., 2-yr., T. ....	.28	.25
6 to 8 ins., 4-yr., T. ....	.22	.18	10 to 12 ins., 2-yr., T. ....	.50	.45	8 to 10 ins., 3-yr., T. ....	.45	.40
8 to 10 ins., 5-yr., T. ....	.28	.25	12 to 15 ins., 3-yr., T. ....	.60	.55	10 to 12 ins., 4-yr., T. ....	.55	...
10 to 12 ins., 5-yr., T. ....	.35	.30	Juniper stricta (Spiny Greek)			10 to 15 ins., 5-yr., T. ....	.65	...
12 to 15 ins., 6-yr., T. ....	.40	.35	4 to 6 ins., 2-yr., T. ....	.35	...	Taxus media hicksii (Hicks' Yew)		
15 to 18 ins., 7-yr., T. ....	.45	.40	6 to 8 ins., 2-yr., T. ....	.40	...	4 to 6 ins., 2-yr., T. ....	.20	.18
Douglas Fir (Pseudotsuga douglasii)			8 to 10 ins., 2-yr., T. ....	.48	...	6 to 8 ins., 2-yr., T. ....	.25	.22
4 to 6 ins., 4-yr., T. ....	.25	.18	8 to 10 ins., 2-yr., T. ....	.55	...	8 to 10 ins., 2-yr., T. ....	.35	.30
6 to 8 ins., 4-yr., T. ....	.30	.20	Juniper squamata meyeri (Blue Meyer)			10 to 12 ins., 3-yr., T. ....	.45	.40
8 to 10 ins., 5-yr., T. ....	.35	.25	3 to 4 ins., 2-yr., T. ....	.32	...	12 to 15 ins., 4-yr., T. ....	.55	.48
10 to 15 ins., 5-yr., T. ....	.45	.38	4 to 6 ins., 2-yr., T. ....	.40	...	Thuja occidentalis (American Arborvitae)		
Euonymus alatus (Winged Euonymus)			6 to 10 ins., 3-yr., T. ....	.48	...	2 to 4 ins., 3-yr., S. ....	.08	.06
6 to 10 ins., 2-yr., T. ....	.20	.18	10 to 12 ins., 4-yr., T. ....	.55	...	4 to 8 ins., 3-yr., S. ....	.10	.08
10 to 12 ins., 3-yr., T. ....	.25	.20	Leucothoe catesbaei			8 to 10 ins., 4-yr., S. ....	.15	.12
12 to 18 ins., 4-yr., T. ....	.35	.32	(Drooping Andromeda)			10 to 15 ins., 4-yr., S. ....	.20	.18
Euonymus fortunei coloratus			3 to 4 ins., 1-yr., T. ....	.18	.16	Thuja occidentalis douglasii aurea		
(Prostrate Evergreen Creeper)			4 to 6 ins., 2-yr., T. ....	.22	.20	(Golden Douglas Arborvitae)		
Low growing.			6 to 8 ins., 2-yr., T. ....	.25	.22	8 to 10 ins., 3-yr., T. ....	.45	...
4 to 8 ins., 1-yr., T. ....	.18	.16	8 to 10 ins., 3-yr., T. ....	.35	.30	10 to 12 ins., 3-yr., T. ....	.55	...
8 to 12 ins., 2-yr., T. ....	.28	.25	10 to 12 ins., 3-yr., T. ....	.45	.42	12 to 15 ins., 4-yr., T. ....	.65	...
10 to 15 ins., 2-yr., T. ....	.32	.30	12 to 15 ins., 3-yr., T. ....	.55	...	Thuja occidentalis elegantissima lutea		
Euonymus fortunei Erectus			Liquidambar styraciflua (Sweet Gum)			(Golden Tipped Arborvitae)		
(Evergreen Big-leaved Winter-Creeper)			6 to 12 ins., 2-yr., field ....	.06	.05	8 to 10 ins., 3-yr., T. ....	.35	.32
4 to 8 ins., 1-yr., T. ....	.18	.16	12 to 18 ins., 2-yr., field ....	.08	.06	10 to 12 ins., 3-yr., T. ....	.40	.38
8 to 12 ins., 2-yr., T. ....	.25	.22	18 to 24 ins., 3-yr., field ....	.10	.08	12 to 15 ins., 4-yr., T. ....	.50	.48
12 to 18 ins., 3-yr., T. ....	.35	.30	2 to 3 ft., 3-yr., field ....	.12	.10	15 to 24 ins., 4-yr., T. ....	.65	...
Euonymus radicans vegetus			Mahonia aquifolia (Oregon Grape Holly)			Thuja occidentalis globosa , Woodward's		
(Evergreen Winter-Creeper)			2-yr., bed run ....	.06	.05	8 to 10 ins., 2-yr., T. ....	.30	.28
3 to 4 ins., 1-yr., T. ....	.15	.12	2 to 4 ins., 2-yr., S. ....	.09	.07	10 to 12 ins., 3-yr., T. ....	.40	.38
4 to 8 ins., 1-yr., T. ....	.20	.18	3 to 5 ins., 2-yr., S. ....	.12	.10	12 to 15 ins., 3-yr., T. ....	.50	.45
8 to 10 ins., 2-yr., T. ....	.35	.30	Norway Spruce (Picea excelsa)			Thuja occidentalis pyramidalis		
10 to 12 ins., 3-yr., T. ....	.45	.40	4 to 8 ins., 3-yr., T. ....	.12	.05	(Pyramidal Arborvitae)		
12 to 15 ins., 4-yr., T. ....	.55	.50	5 to 10 ins., 4-yr., T. ....	.15	.06	8 to 10 ins., 2-yr., T. ....	.38	.35
Ilex crenata			10 to 12 ins., 4-yr., T. ....	.20	.12	10 to 12 ins., 2-yr., T. ....	.45	.42
(Pyramidal Japanese Holly)			12 to 15 ins., 5-yr., T. ....	.25	.18	12 to 15 ins., 3-yr., T. ....	.55	.50
8 to 10 ins., 2-yr., T. ....	.35	.32	Pieris japonica (Japanese Andromeda)			15 to 18 ins., 4-yr., T. ....	.65	.55
10 to 12 ins., 3-yr., T. ....	.40	.38	1 to 3 ins., 1-yr., T. ....	.20	.18	18 to 24 ins., 5-yr., T. ....	.75	...
12 to 15 ins., 3-yr., T. ....	.45	.42	3 to 4 ins., 2-yr., T. ....	.28	.25	Tsuga canadensis (Hemlock)		
15 to 18 ins., 4-yr., T. ....	.55	.50	4 to 6 ins., 3-yr., T. ....	.35	.30	6 to 8 ins., 3-yr., T. ....	.35	.32
Ilex crenata convexa (Bullata)			6 to 8 ins., 4-yr., T. ....	.38	.35	8 to 10 ins., 4-yr., T. ....	.40	.35
8 to 10 ins., 2-yr., T. ....	.38	.35	8 to 10 ins., 4-yr., T. ....	.45	.42	10 to 15 ins., 4-yr., T. ....	.55	.50
10 to 12 ins., 2-yr., T. ....	.48	.45	Austrian Pine (Pinus nigra)			Viburnum opulus nana , dwarf		
12 to 15 ins., 3-yr., T. ....	.65	.55	6 to 8 ins., 3-yr., S. ....	.12	.02 1/2	4 to 6 ins., 2-yr., T. ....	.25	.20
12 to 18 ins., 5-yr., field ..	1.00	.90	8 to 10 ins., 3-yr., S. ....	.15	.03 1/2	6 to 8 ins., 4-yr., T. ....	.45	...
Ilex crenata hetzi , large glossy leaf			10 to 15 ins., 4-yr., T. ....	.20	.04	White Spruce (Picea alba)		
6 to 8 ins., 2-yr., T. ....	.30	.28	(Order minimum, 500 at 1000 rate.)			6 to 10 ins., 5-yr., T. ....	.20	.10
8 to 10 ins., 2-yr., T. ....	.40	.38	Pinus mugo , Tyrollean-Swiss			10 to 12 ins., 5-yr., T. ....	.25	.15
10 to 12 ins., 3-yr., T. ....	.45	.42	2 to 3 ins., 3-yr., S. ....	.10	.09	12 to 18 ins., 5-yr., T. ....	.28	.18
12 to 15 ins., 4-yr., T. ....	.60	.55	3 to 4 ins., 3-yr., S. ....	.15	.12			
			4 to 6 ins., 3-yr., S. ....	.18	.16			

Lining-out Stock. 25 at the 100 Rate. 300 at the 1000 Rate.

TERMS: Free packing for cash with order, otherwise 1/4 deposit with order and balance C.O.D. Packing at cost. All shipments by railway express.

Write for our complete price list.

PALLACK BROS. NURSERIES, INC.

Phone: Zellenople 789 (or 644 evenings)

(We are not open Sundays)

(31 mi. north of Pittsburgh, Pa., on Rte. 19)

R. D. 1, Harmony, Pa.

CHINESE CORKSCREW TREE

唐人路士路
(*Salix matsudana tortuosa*)



Oriental Horticultural Curiosity

From the Hupeh Province of east central China. Branches both large and small grow upward with an exotic corkscrew twist.

This tree is also known in common parlance as Corkscrew Tree, Corkscrew Willow or Comforted Hankow Willow.

	Per Each	Per Dozen
4 to 5 ft.	\$2.50	\$25.00
6 to 8 ft.	3.50	35.00
8 to 10 ft. This size for nursery pick-up only	5.00	50.00
Heavy field liners, \$30.00 per 100; \$250.00 per 1000.		
Pot plant liners (spring only), \$30.00 per 100; \$250.00 per 1000.		

BEARDSLEE NURSERY
Perry, Ohio



See Classified Ad
Under Lining-Out Stock

MCININCH GREENHOUSES
St. Joseph, Mo.



EVERGREENS

Growers of Quality Evergreens
Lining-out Stock a Specialty
Write for Trade List

EVERGREEN NURSERY CO.
Established 1864 : STURGEON BAY, WIS.



Wholesale growers of the best
Ornamental Evergreens
Deciduous Trees
Shrubs and Roses
Write for our current trade list.

The Kallay Brothers Co.
1251 Madison Ave. PAINESVILLE, O.

ject need not be covered extensively at this time. A brief description might read like this: It sends up scapes to two or more feet from a tuft of grassy leaves, bearing a raceme (to three or four inches in length) of orange-scarlet cylinders. The blooming season covers a long period in summer and autumn. Except for *K. uvaria* and some of its hybrids, it was one of the hardiest I ever had in my trials. It should be a good plant for landscape or cutting in all except the coldest sections.

The lower-growing kinds, of which there are far too many to receive individual notice here, have special value in the role of cut flowers, it seems to me. The 2-foot *K. macowani*, with dense racemes, three or four inches long, of lovely coral red, freely produced over a long period, is an example. Others in the 2-foot class include *K. breviflora*, with bright yellow flowers; the white-flowered *K. modesta*, and *K. rufa*, with reddish-tinged, primrose-yellow flowers. As none of these is hardy in northern Michigan, I cannot speak of their behavior over a long period, but they showed their worth while they were with me.

The deciduous kinds, including *K. comosa* (leichtlini), whose red filaments and anthers are the showiest part of the flower, and *K. carinata*, are the easiest to protect in the open because they can be mulched or mounded up at the approach of winter; *K. uvaria* and its kindred may also be mulched, but this far north it is always safest to dig the roots and store them away from low temperatures in a cellar, pit or protected frame. The species are best grown from seeds if large numbers are needed; the name forms must be reproduced vegetatively (division in their case), and the shrubby kinds may be grown from cuttings, as mentioned before.

Penstemon Palmeri

A Nebraska reader writes that he is "greatly interested in penstemons, but has not time to waste on the poor ones." He has the opportunity to add *P. palmeri* to his list and wonders if it is worthwhile. I shall briefly outline three viewpoints, commencing with an English gardener's comments, which I find in my files without credit.

"Many penstemon species and their immediate hybrids are fitly reckoned among the most decorative of garden plants," he wrote. "*P. palmeri* is one of those. Being a choice subject, it is well worth planting for the sake of its pretty flowers. The foliage is glaucous, and the indi-



WE GROW MILLIONS OF CHRISTMAS TREES

Low, low prices on beautiful plantation-grown cut **SCOTCH, AUSTRIAN and RED PINE** trees. Extra bushy and real nice color. Prices start at 50c each in carload lots. Loaded near Cadillac, Mich.

SPECIAL—Rich, luxurious roping. A strong pine roping that holds its shape and eye-catching beauty all season long. Large quantities available, wholesale prices.

Write for complete price list.

WALTON KING & SONS
P. O. Box 448 Mt. Clemens, Mich.

BEAUTIFUL PIN OAKS

	Per 10	Per 100
6 to 8 ft.	\$ 65.00	\$ 600.00
8 to 10 ft.	85.00	800.00
1½ to 2-in. cal.	110.00	1000.00
2 to 2½-in. cal.	150.00	1400.00

We have a large selection of shade tree varieties. Send for quotations.

We Grow What We Sell

LEAVENWORTH NURSERIES

L. C. Gatewood Betty Gatewood
12th and Villas Leavenworth, Kan.

PRONOUNCING DICTIONARY

of Plant Names and Botanical Terms

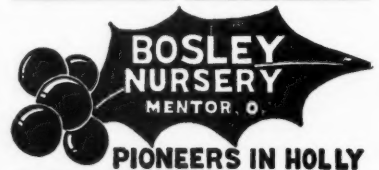
64 pages 3000 names
25 cents per copy

AMERICAN NURSERYMAN
343 S. Dearborn St. Chicago 4, Ill.

FLORAL GARDENS



Growers of Lining-Out Stock
Taxus—Pyracantha—Cotoneaster
Shumardi Oak Seedlings
Send for complete list.
EATON, OHIO



BOSLEY NURSERY
MENTOR, O.

PIONEERS IN HOLLY



TAXUS

Send for complete price list now ready.

EAGLE CREEK NURSERY CO.
New Augusta, Ind.

EVERGREENS

Rooted Cuttings and Liners
Please write for list.

THE CRUMRINE NURSERY
Rt. 2 Alliance, Ohio

TAXUS INTERMEDIA BERRYHILLI



A dark green, compact, hardy selection of *Taxus intermedia*. Specified more and more in the midwest and east for quality landscape jobs. It is also selling fast on the sales lots because of its outstanding good looks.

Plants you are proud to sell to your customers.

	Each
18 to 24 ins.....	\$5.50
15 to 18 ins.....	4.35

Big liners to help you start this variety in your own fields or to put in containers for quick sales.

	Each
5-yr., T.	\$0.80

BERRYHILL NURSERY CO.

4 1/2 miles northeast of Springfield
on State Route 4
P.O. Box 696
Springfield, Ohio



Hardy Northern-Grown Stock at WHOLESALE

JEWELL NURSERIES, Inc.

Write for Price List.

Box 457, LAKE CITY, MINN.

vidual flowers are outstanding in an interesting family. They average about an inch in length, with a longer lower lip hanging at right angles to the main portion of the flower. The upper part is arched backward over the table. The color is a very pretty lilac rose."

Paraphrasing a paragraph from the penstemon society's bulletin No. 14, which has the best modern appraisal of penstemons that I know, is the following: Palmeri is a tall species, with stems two to five feet high, bluish-green leaves and bell-shaped white flowers suffused with pink or lilac. The stems almost always sprawl, the flowers are few and the plants rarely live over winter.

Then let me quote part of the description in one of the catalogs of Theodore Payne, Los Angeles, Calif.: "A perennial, two to four feet high, with smooth, often glaucous leaves

and large flesh-colored to pink flowers. One of the finest of the native penstemons."

My own experience with it was not satisfactory, largely based upon the fact that it is not hardy in this northern climate, and the flower colors that I had were not distinctive, according to the note on the plant which I found in my files. I should not expect it to be hardy in Nebraska, but it might be worth a trial in the south.

Anemone Nemorosa

A Colorado reader wants to know which is the best of the wood anemone varieties for the average gardener. He intends to add one, perhaps two, kinds to his offerings and wants the best. I do not know which one I like best, but I am sure that the variety *alleni* would please any gardener and would thrill most with

its broad (to two inches), lilac-mauve flowers on 8-inch stems, over ample tufts. It blooms later than most of its kind, adding to the length of the wood anemone season. At the other end of the line, the early *robinsoniana* commences the procession with a display of lovely lavender blue. Either would make a welcome addition to any garden. Yet, who could say they preferred either above the double white form, which, apparently, because of its doubleness, lasts longer in bloom than any other kind that I know. However, any wood anemone selected will be a revelation of beauty in the garden.

Western Dwarf Willows

A Minnesota reader writes this department that he, while on a trip through the northwest last summer, saw a dwarf willow in an Oregon

LINERS FROM OPEN BEDS

All our cuttings are rooted in soil in outside beds under mist — then hardened off and thoroughly established in the soil where they make a mature, hard root system and often some top growth. Many of these rooted cuttings will have to go into 3-in. or larger pots. Better not plan on putting any except the smallest in 2½-in. pots because they just won't fit. Of course, some of the *Ilex crenata* varieties and some of the others can go in pots that small. Some of our friends put the larger rooted cuttings right out in the field and usually have good luck with them, if planted at the right time; that seems a little radical to us and we don't recommend it. However, any plant we list as a bed-grown liner is ready for the field.

Mo., Yr.—date rooted BG—bed-grown
RC—rooted cutting C—cuttings
Field—field-grown S—seedlings
Arboretum—See Thuis

Berberis Crimson Pygmy—RC, July 60, 3 to 5 ins., nearly all pretty well-branched to fairly bushy, 12c; light, BG, liners, 18 mos. old, branched to fairly bushy, 6 to 9 ins., 18c; heavy, BG, liners, 6 to 9 ins., bushy, 25c; heavy, BG, 3-yr., 9 to 12 ins., bushy, 40c.

Berberis Julianae—The hardest evergreen barberry—C, rooted Aug. 60, 5 to 6 ins., 9c; C, rooted Aug. 59, ready for field, 12 ins. and up, but not branched, 15c.

Berberis Julianae nana—Compact growth, darker green leaf, may be even hardier. RC, Aug. 60, 5 to 6 ins., 10c; C, rooted Aug. 59, ready for field, 8 ins. and up, but not branched, 17c.

Berberis Julianae pyramidalis—RC, 20c.

Berberis mentenensis—RC, Aug. 60, 5 to 6 ins., 7c; C, rooted Aug. 59, ready for field, 10 ins. and up, but not branched, 10c.

Biota—See Thuis

Buxus sempervirens (Boxwood)—An excellent, bushy strain—C, rooted Sept. 59 and kept cut back to about 6 ins., beginning to bush out well, 10c.

FLOWERING QUINCE

Chaenomeles (Cydonia)—On own root from softwood cuttings. No suckering from these plants. In our experience, Flowering Quince on its own roots grows and flowers much better than it does if grafted on anything. We still have more than 50 different varieties in our trial grounds.

Nivalis—Pure white, the best of the white-flowering quinces, vigorous, upright—RC, June 60, need to be potted or bedded, 10c; BG, liners, 8 to 15 ins., 18c; 15 to 24 ins., 24c; field, A. N. grading, 12 to 18 ins., 40c; 18 to 24 ins., 60c.

Texas Scarlet—Red, spreading grower, wider than high. An excellent foundation plant, never gets too tall. Shorter than an azalea. The best for canning because of the profuse red flowers on a compact, low plant. It is the prettiest quince and maybe the prettiest plant we ever saw in a can. RC, June 60, pot or bed them, 10c; BG, liners, 8 to 15 ins., 20c; field, A. N. grading, 12 to 18 ins., 45c.

Toyonishiki—From Japan through the Morton Arboretum. Pure white, pure pink and pink and white flowers at random on the same branch. Some plants throw single branches of pure red flowers. A most remarkable effect. A clean, upright, vigorous grower. RC, June 60, 20c; BG, liners, 10 to 20 ins., 35c.

Simoni—Deep, deep red. The deepest red of all. A world-famous, old variety. A restrained grower of rather exotic branching habit. RC, June 60, small, pot or bed them, 30c; BG, liners, partly branched, 9 to 15 ins., 60c; 15 to 24 ins., 95c.

Ruby Glow—The deepest red (except Simoni) of the more than 70 varieties I have had, upright, vigorous—RC, June 60, 15c; BG, liners, 8 to 15 ins., 25c; 15 to 24 ins., 35c.

Phyllis Moore—From Arnold Arboretum. Fully double, red flowers in separate clusters, very beautiful and very different. BG,



liners, partly branched, 15 to 24 ins., \$1.50 (it is extremely difficult to root). **Crimson Beauty** and real *Japonica alpina*—ask.

Cherry laurel—See Prunus

Euonymus alatus compactus—RC, June 60, strong tips, 5 to 7 ins., 8c; C, rooted Aug. 59, BG, ready for field, nearly all are lightly branched, 7 ins. and up (some up to 20 ins., you can just cut them back), 14c.

Ginkgo biloba—1-yr., S, 6 to 10 ins., 8c, \$70.00 per 1000; 2-yr., S, 10 to 15 ins., 12c, \$110.00 per 1000; 15 to 24 ins., 17c, \$160.00 per 1000.

HOLLY

Ilex cornuta femina—RC, Aug. 60, strong tips, 4½ to 5½ ins., 6 to 12 leaves, heavily rooted, 8c.

Ilex cornuta burfordi—RC, Aug. 60, strong tips, 4½ to 6 ins., 6 to 12 leaves, heavily rooted, 8c; C, rooted Aug. 59, kept cut back to 6 to 9 ins., nearly all beginning to branch well, 15c.

Ilex crenata convexa (bullata)—RC, Aug. 60, long tips, 4½ to 6 ins., 7c; C, rooted Aug. 59, kept cut back to 5 to 6 ins., beginning to branch beautifully, 10c.

Ilex crenata hetzi—RC, Aug. 60, long tips, 4½ to 6½ ins., 7c; C, rooted Aug. 59, kept cut back to 6 or 7 ins., beginning to branch well, 10c.

Ilex crenata Maxwell—A Bennett hybrid, looks like convexa but a much better grower. Should be a money maker. RC, Aug. 60, 8c; C, rooted Aug. 59, kept cut back to 5 to 7 ins., beginning to branch well, 12c.

Ilex crenata compacta—A Bennett hybrid, an excellent selection, good grower, quite compact, fine color, RC, Aug. 60, a little small, 8c; C, rooted Aug. 59, kept cut back to 5 or 6 ins., beginning to branch well, 15c.

Ilex rotundifolia—RC, Aug. 60, 5c; C, rooted Aug. 59, kept cut back to 6 or 7 ins., beginning to branch well, 8c.

Ilex Foster's Hybrid No. 2—Narrow, spiny leaves, red berries, fruits heavily, rapid grower, quite hardy, C, rooted Sept. 59, kept cut back to 7 to 9 ins., beginning to branch beautifully, 15c.

Ilex opaca (American Holly)—Genuine *Ilex opaca* (i.e. no southern hybrids), varieties selected for good, compact growth, good berries, guaranteed female and guaranteed male from cuttings. BG, liners, 4 to 6 ins., 17c; 6 to 10 ins., 25c; 10 to 15 ins., 35c; 15 to 30 ins., 50c; mostly single stem, some lightly branched. *Ilex opaca* shipped only on March 1, 1961 (because that is the very best time to move American Holly).

AMERICAN HOLLY HEDGE

Ilex opaca—3½-yr., grown 2 years in Plan-tainer cans. Variety **Reynolds**, female,

well-branched, kept cut back to 12 to 18 ins., 85c (we have too many); variety **James Baker**, female, our most compact, pyramidal selection, heavily branched, kept cut back to 15 to 21 ins., \$1.10; both have large leaves and bear large, bright red berries (no berries now). You may pick them up can and all or we will wash out the roots and pack free for shipment. Will make a perfectly beautiful, uniform hedge because all are the same clone. Or you could put them back in 2-gal. or larger cans to be sold for specimens. Ready any time.

JUNIPERS

Juniperus—All the following are from short, greenhouse-type cuttings. They were rooted under mist in beds of soil in the spring of 1960. They have been cut back several times to make nice, compact, heavy, rooted cuttings about 5 to 6 ins. high, depending on variety, beginning to bush out. None are leggy. They are still small enough to pot. If you plan to sell potted liners, many of these will be salable just as soon as they establish their roots in pots.

Juniperus Andorra—RC, 10c; \$95.00 per 1000.

Juniperus hetzi—RC, 10c; \$95.00 per 1000.

Juniperus pfitzeriana—RC, 10c; \$95.00 per 1000.

Juniperus pfitzeriana Armstrong—Compact, upright, vase shaped, RC, 11c; \$105.00 per 1000.

Juniperus pfitzeriana Blue—The best, bright blue strain, not like hetzi, same growth habit as regular pfitzer, possibly 10 per cent faster grower. RC, 15c; \$140.00 per 1000.

Juniperus pfitzeriana Nelson's Compact—A beautiful spreading Juniper, much lower growing than regular Pfitzer, but taller than Andorra. A bright bluish-green all summer, bright green all winter. RC, 10c; \$95.00 per 1000.

Juniperus pfitzeriana Nick's Compact—RC, 10c; \$95.00 per 1000.

Juniperus pfitzeriana Ozark Compact—The best compact Pfitzer we have seen, not as coarse in texture as Nick's Compact. RC, 12c; \$115.00 per 1000.

Juniperus pfitzeriana nana—RC, 11c.

Juniperus sargentii—RC, 10c.

Juniperus chinensis columnaris—RC, 15c.

Juniperus sabina tamariscifolia—RC, 12c.

Mahonia bealei—1-yr., S, from well-spaced outdoor beds, just right to pot, 7c; \$60.00 per 1000.

Mahonia pinnata—Somewhat like aquifolium, but much better. Vigorous, compact growth in full sun, never leggy, foliage bright bluish-green, new growth red. Hardy to Boston, at least. BG, liners, from 1959 transplanted cuttings, heavy, but not well-branched, will branch themselves first year they are in field, 12 to 24 ins., 50c.

DAWN REDWOOD

Metasequoia glyptostroboides—Thought extinct for 20,000,000 years, discovered in China in 1945. Royal Horticultural Society Dictionary of Gardening says, "This tree is undoubtedly one of the most notable acquisitions to our gardens of recent years." I agree. Large tree, fresh green, fernlike foliage, very rapid grower. Has made 16 feet in 6 years from seed. Deciduous, autumn foliage pale pink. Hardy throughout zone 5, at least. Fine plants in Plan-tainer cans, \$2.00, pickup only. Packed for shipment in individual cartons, \$2.40.

Prunus laurocerasus schipkaensis (Cherry Laurel) — Quickly makes a large mound-shaped evergreen. RC, July 60, 5 to 8 ins., many full leaves, heavy root system, 10c; C, rooted July 59, kept cut back to 8 to 12 ins., BG, liners, beginning to branch, 20c.

Prunus laurocerasus zabeliana (Cherry Laurel)—Usually considered the hardest. Spreading, like a Pfitzer Juniper. RC, July 60, 4½ to 7 ins., 12c; C, rooted July 59, kept cut back to 7 to 9 ins., BG, liners, beginning to branch, 20c.

Prunus laurocerasus macrophyllum (Cherry Laurel)—Certainly the prettiest with very

garden that intrigued him. He wonders if it, or any other western dwarfs, are available in the trade or if he will have to do his own climbing when he returns there on his next vacation. My knowledge of the western alpine willows is so meager that I shall have to rely on the reports of others.

As our inquirer did not know the name of his find, I can mention only

the kinds which have been recommended by western gardeners. I can say from experience, however, that the Rocky mountain *Salix saximontana* will be a good start for any search, and one could stop right there and still have one of the best, in my opinion. It is a creeping shrub, with pretty yellow branches clothed in little, oblong leaves, glaucous beneath and seldom over two inches

tall. Other alpine willows of the west (British Columbia to New Mexico for some of them) include *S. petrophila*, with broad, round leaves; *S. nivalis*, the ubiquitous species in the Rocky mountains and Cascades from British Columbia to Montana, with round leaves, green above and white beneath, and *S. tenera*, with rather narrow leaves, green above and below. These are creepers, sel-

large leaves, very dark green. Is even harder than zabeliana here. RC, a little shorter because rare and cutting wood is still scarce. July 60, 20c.

Pyraecantha varieties—C, rooted Sept. 59, kept cut back to 5 to 7 ins., good and strong, beginning to branch, with good, hard root system over a year old. Varieties: Lalandi, Gibbsi and Graberi, 10c; varieties: Kazan, Runyan and Wyatt, 14c.

Thuja orientalis aurea nana (Berckmans Golden Arborvitae)—Cuttings rooted spring 60, kept cut back to about 6 ins. to make them bush out, but still small enough for a 2½ or 3-in. pot. Several nurseries have put these right into the field, 10c; cuttings rooted spring 59, kept cut back to 6 to 8 ins., beginning to branch, but not rounded out yet. Heavy, of good caliper, with fine root systems, 15c.

VIBURNUMS

Viburnum—All these Viburnums are rooted from soft tips in spring or early summer. They grow some during the summer and fall, which makes the rooted cuttings from 4 to 5 ins. up to 12 or more inches tall depending on variety. It is hardly fair to call them rooted cuttings since some of them are more like light, young, bed-grown liners. However, they have not been transplanted, are not branched and most of them are still small enough to pot.

Viburnum burkwoodii—RC, June 60, some beginning to branch, 10c.

Viburnum chenaultii—More compact and shapely than burkwoodii, RC, June 60, 15c; 2-yr., liners, C, rooted June 59, not transplanted, kept cut back to about 12 ins., fairly well-branched, good for canning or for the field, 30c.

Viburnum juddii—Better than carlesi. Flowers really pink. A more compact plant with more attractive leaves, not subject to leaf spot. RC, June 60, 15c; 2-yr., liners, C, rooted June 59, not transplanted, kept cut back to about 12 ins., fairly well-branched, good for canning or for the field, 30c.

Viburnum macrocephalum sterile—

(CHINESE SNOWBALL)

This is the one we love. Dazzling white snowballs, often 8 to 9 ins. in diameter, as big as a man's head, a clean, vigorous grower. On own roots, much better growth than if grafted. C, rooted July 59, in polyethylene plant bands, same amount of soil as in 3-in. pots, 65c.

Viburnum opulus sterile (Common Snowball)—RC, June 60, 10c.

Viburnum rhytidophyllum (Leather-Leaved Viburnum)—RC, July 60, 12c.

Viburnum rhytidophyloides—A hybrid between V. rhytidophyllum and V. lantana, similar to rhytidophyllum, but is harder. RC, July 60, 15c.

Viburnum tomentosum plicatum (Japanese Snowball)—RC, July 60, 12c.

Viburnum tomentosum plicatum grandiflorum—Snowballs considerably larger and whiter than regular Japanese Snowball, RC, July 60, 20c.

IN PLANTAINER CANS

American Holly; DAWN REDWOOD; Pyraecantha lalandi, Graberi, Wyatt, Kazan and Gibbsi; Flowering Quince; Magnolia grandiflora; Mahonia bealei; Berckmans Golden Arborvitae and others. They are good, and are ready to move now. Please come by to see them.

FREE PACKING, liners in sphagnum moss and polyethylene plastic. Cash with order or 25% deposit, balance at time of shipment.

HARVEY TEMPLETON, JR.

phytotektor.
U.S. HWYS. 64-41A
WINCHESTER — TENNESSEE

CANNED PLANTS

Build profits with Wight's container-grown evergreens. Wide assortment, including Ilex, Magnolia, Camellias, Pyraecantha. Ask for wholesale list.

Wight NURSERIES CAIRO, GA.

Publish your price list in the AMERICAN NURSEYMAN to reach the trade promptly.

dom over four or five inches high. All are easily grown from cuttings, either soft or mature wood, inserted in moist soil from June onward through the summer.

Personally, I cannot agree with those who call the alpine willows uninteresting. They are not spectacular, to be sure, but their brightly colored twigs in winter and their gray catkins in spring give an interest to gardens at those difficult periods. And they are not difficult to grow if their moisture needs are supplied.

As an afterthought, may I set down a brief note found in my files on another western alpine willow, *S. cascadiensis*, as it manifests itself in the Grand Tetons? The note is by Dr. Louis Williams, who lived in Jackson, in the Jackson Hole country of Wyoming about a quarter of a century ago. He said the Grand Tetons held the smallest willow, a form of *S. cascadiensis*, that he had ever seen. For that reason alone, it should be searched out and brought into gardens.

Synthyris Sweetzeri

When I saw *Synthyris sweetzeri* in a friend's garden last spring, I looked for references to it soon after I returned home and found the following in my 1937 notebook: "*Synthyris sweetzeri*, a western American cousin of the speedwells, has just finished a pleasing performance at the base of a northwest wall, where it grows in humus-rich soil. From a tuft of kidney-shaped leaves, it sent up 6-inch stems ending in a several-flowered raceme of pretty dark blue, scrophulariad flowers. In good soil where it does not suffer for moisture, the plant blooms a long time, commencing soon after snow and frost leave the soil."

It is plants like the *synthyris* (I notice that some spell it *synthyris*) that make me wish I had something like the alpine house of the English, for there they could be grown to perfection. It seems to me that unheated, glass-covered pits, large enough to accommodate a cement walk-down and two benches, would greatly increase the interest in unusual plants in this country.

Gladiolus Tristis

An Ohio reader asks about *Gladiolus tristis*, especially as to its hardiness. Although the available literature is not positive in its statements about the hardiness of this *gladiolus*, I can say positively that it is not hardy in northern Michigan, northern Ohio or southern Wisconsin, and I should not expect it to stand the

Pink Dogwood

(*Cornus florida rubra*)

	Each	Each Per 100
1-yr., 6 to 12 ins.	\$0.40	\$0.35
1-yr., 12 to 18 ins. ....	.50	.45
1-yr., 18 to 24 ins. ....	.60	.55
1-yr., 24 to 30 ins. ....	.85	.75
1-yr., 30 to 36 ins.	1.00	.90
2-yr., 3 to 4 ft.	1.50	1.40
2-yr., 4 to 5 ft.	2.50	2.25
2-yr., 5 to 6 ft.	3.00	2.75

White-Flowering Dogwood

(*Cornus florida*) 2-yr.

4 to 5 ft., br.	1.25	1.00
3 to 4 ft., br. ....	.90	.60
2 to 3 ft., br. ....	.50	.40
18 to 24 ins., br. ....	.25	.20
12 to 18 ins., br. ....	.10	.08

Flowering Crab Apple

Eleyi, Hops and Almey

1-yr., 2 to 3 ft., whips ...	.30	.25
1-yr., 3 to 4 ft., whips ...	.35	.30
1-yr., 4 to 5 ft., whips ...	.45	.40
2-yr., 3 to 4 ft., br. ....	.45	.40
2-yr., 4 to 5 ft., br. ....	.60	.50
2-yr., 5 to 6 ft., br. ....	.75	.65

(For Almey, add 15c a tree.)

Flowering Peach

Red, White, Pink and Peppermint

12 to 18 ins. ....	.15	.13
18 to 24 ins. ....	.25	.20
2 to 3 ft. ....	.30	.25
3 to 4 ft. ....	.35	.30
7/16 to 9/16-in. cal. ...	.40	.35
9/16 to 11/16-in. cal. ...	.45	.40

Write for special prices on quantity lots. 300 at 100¢ rate.

CHOCOLA NURSERY

Winchester, Tenn.

AZALEAS

CONIFERS and BROAD-LEAVED

EVERGREENS

Finished Stock and

Potted Liners

Fritschler's
NURSERY

Nashville 9, Tenn.

VINCA MINOR

(Myrtle Vine)

	Per 1000
Liners in 50,000 lots or more. .	\$ 5.00
Row-run as dug, 2 to 7 leads. 20.00	
Made-up clumps, 10 to 15 leads	40.00

WANTED

25 BUSHELS GLADIOLUS BULBS

O. H. PERRY NURSERY CO.

Box 545

McMinnville, Tenn.

Imperial Nurseries
DIVISION A.S.T. CORPORATION

P. O. Box 1000 East Hartford, Conn.

24 Potted
Amaryllis,
8 to 10 ins.
circ., in
display
carton

\$20.40
F.O.B.
Windsor,
Conn.



← 20 ins. →

Available
from
October
to
March

SEEDS for the Nurseryman and Forester.
Write for catalog.
F. W. SCHUMACHER, HORTICULTURIST
SANDWICH, MASS.

RED RHUBARB
Chipman's Canada Red
McDonald
Valentine
\$30.00 per 100
Write for prices
on larger quantities.
KEELER'S GARDENS
Parker, S. D.

WE OFFER . . .
Our General Line of
SMALL FRUIT PLANTS
Let us quote on your
requirements.
L. J. RAMBO'S WHOLESALE NURSERIES
Bridgman, Michigan

Jan de Graaff's
OREGON BULB FARMS
P. O. Box 512
GRESHAM, OREGON

Lilies

Exclusively

Bentley's
HARDY PLANTS
QUALITY—SERVICE
Perennials a Specialty.
2559 Mentor Ave. MENTOR, O.

Invest in Top Quality
Dwarf Fruit Trees
Espalier Trained Fruit Trees
For retail sales. Mailing No. 11,
VII and IX rootstock. Hardy,
northern-grown 1-year and 2-year
old trees, guaranteed free from
insect pests and plant disease.
Send today for wholesale prices.
HENRY LEUTHARDT ALL TREES GRAFTED
Dept. A, Port Chester, N. Y.

FOREST SEEDS OF CALIFORNIA
Since 1932
P. O. Box 561
Davis, Calif.
Native coniferous seed for direct
seeding and forest nurseries.

winters outside the southern states unless given special care. I understand that it has to be planted in October or early November to enable it to make sufficient root growth to meet its blooming deadline in May when grown in the open.

The leaves are long, 15 inches or more, narrow and grasslike, and the flowering stems are about two feet tall, bearing two to five, perhaps more in nature, pale, straw-yellow flowers of pronounced, pleasing fragrance (nocturnally fragrant, as the scientists say). I can easily see that it would be valuable as a landscape plant, where hardy, to combine with blue-colored flowers of its season in the garden and no doubt it would be good for cutting. I believe it would, however, be of little value in the north.

MARKETING

[Continued from page 9]

following were listed in the order of their importance in influencing the public's buying of nursery products: (1) Catalogs, (2) magazines, (3) newspapers and (4) neighbors. Professor Brunk stated that the buying power of men is increasing and that shopping practices are changing as more purchases are made at shopping centers.

Professor Brunk pointed out that half of the persons engaged in the nursery business in New York state have been in business less than 10 years and of these one third have not had previous experience in the nursery industry. In the light of these facts, he believes that the key to a wholesaler's success is service to the retailer.

There is a wide variety of outlets for nursery stock today, noted Professor Brunk, and nurserymen question the legitimacy of many of them. Instead of merely complaining about these outlets, however, he advised nurserymen to observe them carefully with an eye toward improving their own operations. One cannot continue to use his grandfather's methods, the speaker warned.

He remarked, however, that grandfather's nursery catalogs, at least, might be preferable in some respects to current examples. There were good planting instructions and advice in catalogs put out around 1900, as well as a more orderly arrangement. Now catalog descriptions lean too heavily on Madison avenue adjectives.

At a "buzz" session of nurserymen Thursday afternoon, August 25, Professor Brunk stated that he believes the nursery industry is trying

to price each stock item so that it brings its full share of profit. This is not always the best policy, as some items can be used as loss leaders. He believes that nurserymen are forfeiting merchandising appeal by taking a straight percentage markup on all items sold.

Some items in a nursery business, of course, are prestige items, and this is reflected in the price charged. The nurseryman should know the cost of the goods he sells, but should not always permit this to determine the price. Actually, he stated, the market determines the price.

Creating Price Image

The job of the nursery owner is to create a price image for his place of business. This is not necessarily based on single items. Professor Brunk cited the policy of a certain food store which reduces prices on certain fast-moving lines one at a time and then restores the higher price. Through this means the store creates an image of a low-price establishment.

The discussion then turned to services that a wholesaler can provide to retail nurseries. One retailer maintained that wholesalers could increase sales by balling their plants with treated, green-colored burlap. Another thought that the wholesaler should supply picture tags and planting instructions with his stock, as he is in a position to order these materials in quantity and can buy them more cheaply than a retailer can.

Professor Brunk agreed that it behooves the wholesaler to furnish sales aids. It costs more, but the wholesaler can get more orders from the retailer, who, in turn, can sell more to his customers. Retailers are buying more and more from wholesalers who give services such as tagging their plants.

As this subject was brought up again in the evening critique, the retail nurserymen pointed out that plant labels supplied by the wholesaler need not be of the highest quality. Even if they last only for a few months, that would be time enough for the nursery to sell the stock. The retailers agreed that they would pay more if this service were offered by the wholesaler. It was noted that rose and bulb growers supply various sales aids.

Professor Brunk continued his lecture Friday morning, August 26, stating that every commodity has a price appeal to customers. The nurseryman has to pick out items on which prices can be raised without decreasing the volume of sales. He stated that the items which attract customers to a

Quality, Nursery-Grown SHADE TREES and Other Items

Sugar Maple, 3-in. cal. and smaller
Silver Maple, 3-in. cal. and smaller
Red Maple (rubrum), 1½ to 2-in. cal., 8 to 10 ft. and 6 to 8 ft.
Green Ash, 2½-in. cal. and smaller
Hackberry, 8 to 10 ft. and 6 to 8 ft.
Honey Locust, Thornless, 2½-in. cal. and smaller
Pin Oak, 3-in. cal. and smaller
Willow Oak, 2½-in. cal. and smaller
American Linden, few 3-in. cal., also 6 to 8 ft. and 8 to 10 ft.
Redbud, 2½-in. cal. and smaller
Sweet Gum, 2½-in. cal. and smaller
Tulip Poplar, 3-in. cal. and smaller
Sycamore, 3-in. cal. and smaller
European Mountain Ash, 8 to 10 ft. and 6 to 8 ft.
Chinese Elm, all sizes 6-in. cal. and smaller
Cornus florida and Cornus florida rubra, 7 to 8 ft. and smaller
Purple Fringe, 6 ft. and smaller
Oak-Leaved Hydrangea, 3 to 4 ft., heavy br.
Flowering Crab Apple, 8 best varieties, 1½-in. cal. and smaller
Apple, 22 best varieties, 1 and 2-yr., heavy br., all sizes
Peach, 38 best varieties, 1-yr., 1-in. cal. and smaller
Pear, six varieties, 1 and 2-yr.
Double-Flowering Peach, in quantity and quality
Apricot, Nectarine, Plum, including Purple-Leaved
Call or write for prices, but best come and see the quality, quantity and values to be had. Whether you want 100, 1000, 10,000 or more, you will profit by dealing with:

SHAHAN NURSERIES

Phone: GL 5-3279

Tulahoma, Tenn.

CRAB APPLES FOR AMERICA, by Donald Wyman.
\$2.00, postpaid.

Breeding propagation and culture,
American Nurseryman, Chicago 4, Ill.

300 Acres of Top-Quality Evergreens

Competitive prices—Dependable service
Cook Nurseries, Cook-Monroe Nurseries
MONROE NURSERIES of CROSSVILLE, ALABAMA, INC.
Miles L. Monroe, General Manager
P. O. Box 95 Crossville, Ala.



Tankard

AZALEAS

Broad-leaved Evergreens and a
general line of quality ornamentals.

THE TANKARD NURSERIES
EXMORE, VA.

EVERGREEN GRAFTS POTTED LINERS CONTAINER STOCK

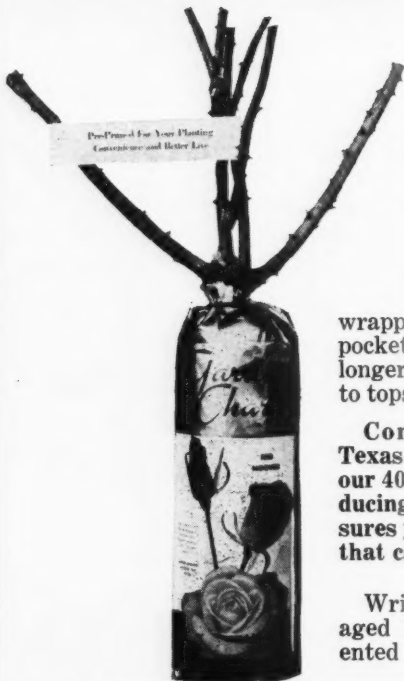
Ask for our latest list,
KENYONS NURSERY
Dover, Okla.

FRUIT TREES

Dwarf and Standard

Send for Wholesale List
KELLY BROS. NURSERIES, INC.
Dansville, N. Y.

PRE-PRUNED — MACHINE PACKAGED



Each plant is pruned ready to plant. Assuring your customer of a properly pruned rose that will give the very best in living and blooming quality. No excess tops to dry up. Gives longer shelf life to the rose.

In a machine packaged rose, more packing material is used, tighter wrapped. This eliminates all air pockets, retains moisture much longer. All this without damage to tops or roots.

Constant research by the Texas Rose Foundation, Inc., plus our 40 years of experience in producing and processing roses, assures you of the best quality rose that can be produced.

Write for bare-root and packaged listings of over 140 patented and nonpatented varieties.

L. C. HOUSE & SONS NURSERIES Dept. 24 Tyler, Tex.
Phone: LY 2-2671

Quality Stock

Cherokee Chief Red-Flowering
Dogwood
(Plant Patent No. 1710)
Dogwoods of Named Varieties
Conifers — Flowering Crab Apples
Evergreens — Fruit Trees — Liners

Write for our wholesale list.

BUY QUALITY

TENNESSEE VALLEY NURSERY
Phone: WO 7-2652 Winchester, Tenn.



McMinnville, Tenn.
Shades — Liners — Fruits

EVERGREENS

100 acres of choice evergreens
ready for sale.

Write for price list.

GRANT'S NURSERY
Rt. 2 Caledonia, Miss.

**WE SPECIALIZE IN FINE
Azaleas and Camellias**

Write for Catalog
FLOWERWOOD NURSERY
GREGORY L. SMITH, Owner
Rt. 1, Box 130 MOBILE, ALA.



AARS winners and
130 other popular
varieties. In attrac-
tive, colorful pack-
ages or bare root.

Beautiful shade, produc-
tive too! Prolific varie-
ties. Sizes 1 1/2 to 12
feet. In attractive pack-
ages or bare roots. Get
stock list and prices.

PECAN TREES



ARP Nursery Co.

Box 3338-J, Tyler, Texas

Bamboo, Gardenias, Figs, Shade Trees

Write for Complete List.

McKEE'S NURSERY

P. O. Box 749
Covington, La.

CUMBERLAND VALLEY NURSERIES, INC.

Wholesale Growers of Dependable
Fruit and Flowering Trees

Write for latest price list.

313 N. Chanery St.
McMINNVILLE, TENN.

PINK DOGWOOD LINERS

Silver Maple, Hall's Honeysuckle,
Flowering Peach, Forsythia, Crab
Apple, Fruit Trees, Poplar, Privet.

Write for trade list.

FLOWER CITY NURSERIES

Rt. 3 McMinnville, Tenn.

store are ones on which there is a low margin.

A definite marketing plan is essential, said Professor Brunk, and, as the first step in developing such a plan, the nurseryman should make a clear-cut definition of what his market is. He should then ask himself these questions: Who are my customers? How good are my customer relations?

What Kind of Market?

Discussing the first point of defining a market, the speaker asked, "Are you trying to reach an exclusive, high-type market or are you appealing to the average consumer? Are you trying to reach a conservative or a showy market?" The educational level of the market should be determined.

Discussing the second point, he stated that one should develop a plan for becoming better acquainted with his customers. People like to be looked up to, said Professor Brunk, and remarked that calling people by their first name is overdone. He believes that nurserymen should drop by their customers' homes more often in order to see how their products are growing.

He advised keeping a card file on what a customer buys, so that the nurseryman can quickly refer to the card when the customer comes in and ask him how the roses he bought last month are coming along. He suggested looking in the local newspaper to see in what kind of activities one's customers are engaged. This also can be mentioned when customers come into the store. A nurseryman should know the influence leaders of his community, said Professor Brunk, and should try to get his product into their yards.

The marketing plan should also include firm policies on the various phases of merchandising, such as a pricing policy that can be defended against arguments. A definite advertising policy should be employed. It is best to advertise on or immediately after payday, when prospective customers have money in their pockets. A display policy should establish a logical order of display fitting the seasons of the year. A sale of certain merchandise can be staged at the back of the store in order to attract persons through the store. Also there should be a policy on special sales, on discounts and credits, on deliveries, guarantees, contributions and tie-in sales.

Professor Brunk believes that the census of horticultural specialties taken by the bureau of the census in 1950 is not used enough for market-

TAXUS CAPITATA



EXCELLENT QUALITY

PRICES AT OUR NURSERY

	Each 10 to 49	Each 50 and up
2 to 2½ ft....	\$5.50	\$5.25
2½ to 3 ft....	6.50	6.25
3 to 3½ ft....	7.50	7.25

We Invite Your Inspection

Quality Plants Since 1841

HILLENMEYER
Nurseries
GEORGETOWN RD.
ON U.S. 25 NORTH
LEXINGTON, KY.

ing in the nursery industry. As weak as this information is, it is the best available. He urged nurserymen to fill out census questionnaires completely and honestly. There is a fear in the nursery business that this information will be used against the individual nurseryman, but this is definitely not the case.

The information compiled is valuable for the industry and it has done more than anything else to keep the nursery industry in an agricultural classification. He related that various colleges and universities have used this information in order to get legislative support and grants for research and greenhouse facilities. When the bureau of the census says that reports are confidential, they definitely are, stressed the speaker.

Research is not a complicated thing, continued Professor Brunk. Individuals have to become aware of the value of research and make more use of it in conducting their own affairs. Actually, research is just an accumulation of information on which decisions can be based. One should know his objective first, then obtain information and make his decision. By using this process he has done research.

The nurserymen were urged to develop a research frame of mind—to

PINK FLOWERING DOGWOOD

New Low Prices for Fall

Cornus florida rubra (Pink-Flowering Dogwood), Boyd's Select Strain			
	Per 10	Per 100	Per 1000
6 to 12 ins., 1-yr.....	\$ 5.00	\$ 45.00	\$ 400.00
12 to 18 ins., 1-yr.....	6.00	55.00	500.00
18 to 24 ins., 1-yr.....	8.00	70.00	650.00
24 to 30 ins., 1-yr.....	10.00	90.00	800.00
30 to 36 ins., 1-yr.....	12.50	110.00	1000.00
3 to 4 ft., 2-yr., br.....	17.50	150.00	1400.00
4 to 5 ft., 2-yr., br.....	30.00	250.00	2000.00
5 to 6 ft., 3-yr., heavy, br.....	45.00	400.00	3000.00
6 to 8 ft., 3-yr., heavy, br.....	60.00	500.00	4000.00
8 to 10 ft., 4-yr., heavy, br.....	70.00	600.00	.....

Bloom Buds \$1.00 extra per plant 4 ft. and up.
(B&B 50¢ extra per tree.)

If you are a qualified nursery dealer write for our new fall descriptive wholesale catalog.

Boyd Nursery Co., McMinnville, Tenn.

ALDRIDGE NURSERY

VON ORMY, TEXAS

Wholesale Nursery Stock

Complete line of container and field-grown ornamentals

● Better Quality

● Better Value



FOR FAST SERVICE
FRUIT — SHADE — ORNAMENTAL
TREES



Write for Our "New Visi-Dexed" Catalog

Commercial Nursery Co.

Decherd, Tennessee

Wholesale Nurserymen Since 1900



TREE SEEDS

Collectors of Conifer
 Seeds in the Lake States
 Since 1934

IRON MOUNTAIN EVERGREEN CO.
 Iron Mountain, Mich.

HOLLAND BULBS

T. R. BEGONIAS

GLOXINIAS

HARDY LILIES

BLEEDING HEARTS

PERENNIAL SPECIALTIES

UNUSUAL BULBS

VERONA GARDENS

Rt. 5, Battle Creek, Mich.

ask for **PRICE-LIST**

ROSE BUSHES

Patented and Standard in
 Good Assortment
 Bare-Root—Packaged
 Write for price list.

C. E. WILSON NURSERIES
 Box 400 Jacksonville, Tex.
 Phone: 4117

LINING-OUT STOCK

Specimen Evergreens

JUNIPER GRAFTS

Heavy Shrubs

SNEED NURSERY CO.

P. O. Box 798

Oklahoma City 1, Okla.



SEMME'S
NURSERIES

AZALEAS - CAMELIAS
 and other choice evergreens

Wholesale Catalog **SEMME'S, ALA.**

MORNING STAR NURSERY, INC.

Rives, Tennessee

Wholesale Growers

Evergreens, Trees

Deciduous Shrubs, Roses

Send us your want list.

BROADVIEW NURSERIES

Winchester, Tenn.

Quality stock at reasonable prices.
 Write for our wholesale list.

CHINESE CHESTNUT TREES

Seedlings only of the Peter Lul strain, 1-yr. whips and 2-yr. branched, mostly Nanking progeny. Also, properly stored weevil-free seed nuts. Our low costs of production permit low quantity prices. Inquiries invited.

LEELAND FARMS

Leesburg, Ga.

Did You Get Our New Catalog?

Better get your supplies in
 before the rush!

Ornamentals and Supplies at Wholesale

CHASE NURSERY CO.
 Chase, Ala.

EVERGREENS

Potted Liners
 Field-Grown Liners
 Finished Evergreens

Write for wholesale catalog.

STRAIN & SONS NURSERY
 Athens, Ala.

be inquisitive, to take nothing for granted and to find out why people act as they do. A good research mind, he emphasized, never takes something as final.

Valuable research can be done through the process of simple observation. The matter of positioning merchandise, for example, can be studied by just watching persons in the shop and how they react. There is a common belief that the best shelf position for merchandise is at eye level. He stated that this is erroneous. Merchandise should be placed down below eye level, where it can be reached easily. Professor Brunk thinks that nurserymen leave special displays in the same place for too long a time.

Odd-Cent Pricing

Discussing odd-cent pricing, he stated that this may be effective but that the store owner is not fooling his customers any more. If a prestige item is being sold, Professor Brunk advised putting a round-number price on it. If the product is being merchandised, then an odd-cent price should be placed on it.

Set rules cannot be formulated on what will work and what will not work; the nurseryman has to try it out for himself. In a grocery store, said the speaker, most items are priced as follows: 98c, 39c, 59c, 49c, \$1 and 79c. In a furniture store, the price of low-cost items are as follows, in the order of frequency: \$1, \$2.99, \$1.99 and \$3.99. In a survey it was found that most prices end in 9, followed in frequency by 0, 5, 8, 7, 3, 4, 1, 6 and 2.

If one wishes to denote quality in his store, he should provide a basis of comparison in his stock items and give the customer a choice. He cited the practice of Sears Roebuck & Co. of offering merchandise in "good," "better" and "best" classifications.

The thing which attracts people to a supermarket is the variety of merchandise. Professor Brunk stated that a low-priced item can pull sales as well as a higher-priced item. He suggested that a premium-priced item should always be stocked in a store and urged the nurserymen to price mark all their products, as customers hate to ask the price of an item.

Turning to multiple-unit pricing, he said that this should be kept within reason and that logical units should be used. When using multiple-unit pricing, one should not make the saving too great. He said that if one item is \$1.50, three should not be sold for \$3. Even though the retailer realizes a sufficient saving to justify this price, part of the saving should

For the Finest in
MAGNOLIA GRANDIFLORA
 and
CHERRY LAUREL
 Come to
BIG RIVER NURSERY

Dundee, Miss.

Or Phone: 572 R4, Tunica, Miss.

WE OFFER QUALITY IN QUANTITY. HAULING 35c PER MILE, ONE WAY.

MAGNOLIA		MAGNOLIA		CHERRY LAUREL	
Container	Each	B&B	Each	Root Pruned and Sheared	
8 to 10 ins., pots	\$0.12	2 to 3 ft.	\$ 1.50	2 to 3 ft.	Each
10 to 16 ins., pots	.16	3 to 4 ft.	2.00	3 to 4 ft.	\$0.85
16 to 20 ins., pots	.18	4 to 5 ft.	3.00	4 to 5 ft.	1.40
12 to 16 ins., qts.	.20	5 to 6 ft.	4.00	5 to 6 ft.	2.00
16 to 24 ins., qts.	.25	6 to 7 ft.	5.25	6 to 7 ft.	2.50
24 to 30 ins., qts.	.30	7 to 8 ft.	6.75	7 to 8 ft.	3.00
24 to 36 ins., gal.	.60	Over 8 ft.	10.00		4.00
4 to 5 ft., egg can	2.00				

In the above two shrubs you will have plants that will stand out in any nursery salesyard. The eye-appeal is there to make them sell themselves and when put in a prominent spot they will stop hard-to-please customers.

WRITE FOR COMPLETE PRICE LIST AND QUANTITY DISCOUNTS

be taken as profit and only part of it passed on to the customer.

Never apologize for price, said Professor Brunk. If you do, you destroy the value of the product in the customer's eyes.

With regard to bonus stamps, he said that more sales are obtained through giving stamps than through price reductions. Professor Brunk also mentioned the "family" promotion in which one item is reduced drastically and the others are lowered slightly, and the "cents-off" promotion, in which an item is advertised or displayed at a few cents off the regular price. These reductions are held to 3 cents in grocery stores.

Bringing up the subject of display, Professor Brunk mentioned that making a special display of a certain item is a more effective sales builder than reducing the price or advertising it. (A combination of all three of these merchandising methods is the most effective.)

Display Pointers

He suggested assembling a display and then removing a few items, as people always dislike to disturb a display and be the first one to purchase an item from it. Professor Brunk also suggested making displays massive, but not too high. They

BURFORD HOLLY

Beautiful sheared specimens.
 18 ins. to 6 ft.
 Ready to dig.

Write for catalog or come to see them.

— ALSO —

Ilex crenata helleri
Ilex crenata repandens
Ilex crenata rotundifolia
Magnolia grandiflora
Osmanthus
Hemlock
White Dogwood, specimen
trees, single or
multistemmed.

SOUTHSIDE NURSERIES, INC.

Rt. 15, Box 471 Richmond 34, Va.
 Phone: BELmont 2-0156
 Night Phone: SHAdyside 8-2434

SPECIMEN TREES

300 Acres
TREES AND
BROAD-LEAVED
EVERGREENS

Overnight Delivery
 Maryland, New Jersey,
 Delaware, Pennsylvania,
 New York

Quercus phellos
 1 3/4 to 4 1/2-in. cal.

Quercus palustris
 Up to 6-in. cal.

10,000 **Ligustrum lucidum**,
 15 ins. to 3 1/2 ft.

10,000 **Ilex burfordi**
 18 ins. to 7 ft.

WINN NURSERY, INC.

6926 Granby St., Norfolk, Va.
 Phone: MA 7-3608
 Established 1885

We Solicit Your Inquiries.
 Member of A. A. N.

1960 A. A. C. S. Winner

SPARKLING BURGUNDY

(Plant Pat. No. 1539)

A hardy Sasanqua of rare beauty.

CASADABAN'S NURSERIES

Abita Springs, La.

FRUIT TREES

STANDARD APPLE

	Per 10	Per 100	Per 1000
3-yr., 6 to 7 ft., 3/4-in. cal., br.	\$10.00	\$90.00	\$800.00
2-yr., 5 to 6 ft., 11/16-in. cal., br.	8.50	75.00	650.00
2-yr., 4 to 5 ft., 9/16-in. cal., br.	7.50	65.00	550.00
Delicious, double red			
Jonathan, double red			
Northwestern Greening			
Red Yorking			
Rome, double red			
Stayman, double red			
Williams Early Red			
Winesap, Virginia strain			
Yellow Delicious			
Yellow Transparent			

DWARF APPLE

	Per 10	Per 100
2-yr., 4 to 6 ft., br.	\$16.00	\$145.00
2-yr., 3 to 4 ft., br.	14.00	125.00
Delicious, double red		
Stayman, double red		
Summer Rambo		
Yellow Delicious		
Yellow Transparent		

PEACH

	Per 10	Per 100	Per 1000
5 to 6 ft., 11/16-in. cal.	\$7.00	\$60.00	\$550.00
4 to 5 ft., 9/16-in. cal.	6.00	50.00	450.00
3 to 4 ft., 7/16-in. cal.	5.00	40.00	350.00
Belle of Georgia Elberta			
Blake			
Coronet			
Dixigem			
Dixired			
Erlay-Red-Free			
Golden Jubilee			
Halehaven			
J. H. Hale			
Jerseyland			
Keystone			
Ranger			
Redhaven			
Redskin			
Rich Haven			
Rio Oso Gem			
Shipper's Red			
Summercrest			
Sunhaven			
Sunhigh			

PLUM

	Per 10	Per 100
6 to 7 ft.	\$12.50	\$115.00
4 to 6 ft.	11.00	100.00
3 to 4 ft.	7.50	65.00

Abundance, Burbank, Mammoth Golden, Methley, Red June.
Ask for Complete Wholesale Price List on other Fruits, also Flowering Shrubs, Evergreens, Flowering and Shade Trees.

WAYNESBORO NURSERIES

Waynesboro, Virginia

WHITE-FLOWERING REDBUD

(Cercis canadensis alba)

One of America's most beautiful and rarest trees. As hardy and adaptable as the native pink variety. All sizes will bloom next spring.

	Each	Each
18 to 24 ins.	\$1.25	4 to 5 ft. \$2.25
2 to 3 ft.	1.75	5 to 6 ft. 2.50
3 to 4 ft.	2.00	

Minimum order \$10.00.

WARREN AND SON NURSERY

Rt. 11, Box 841

Oklahoma City 10, Okla.

HAVE YOU TRIED PERENNIALS? by C. H. Potter. Propagation, soil, field care, marketing and other important data. 160 p., illus. (1959). \$3.00.
American Nurseryman 343 S. Dearborn St. Chicago 4, Ill.

PINK DOGWOOD

	Each	Each
	Per 10	Per 100
1-yr., 6 to 12 ins., B. R.	\$0.50	\$0.45
1-yr., 12 to 18 ins., B. R.	.60	.55
1-yr., 18 to 24 ins., B. R.	.90	.80
1-yr., 2 to 3 ft., B. R.	1.15	1.00
2-yr., 3 to 4 ft., B. R.	2.25	2.00

Write us for prices on larger sizes and our new price list.

BYERS NURSERY CO.

Rt. 2

Huntsville, Ala.

Quality stock plus pleasing service. Inquiries invited.
89th Year of Growing

Box 88-A Sherman, Tex.
TEXAS NURSERY CO.

SEEDS

Collectors of Tree, Shrub and Wild Flower Seeds

Crude Drugs and Ornamentals

E. C. MORAN, Stanford, Mont.

Better Liners
of the Better Kinds

Good Roots • Good Tops
Eastern Shore Grown

DECIDUOUS LINERS

Write for Price List

JACQUES I. LEGENDRE, Pres.

GULF STREAM NURSERY
WACHAPREAGUE, VIRGINIA

Wholesale Growers of Broad-Leaved
and Coniferous Evergreens

Ask for trade list.

LINDLEY NURSERIES, INC.

P. O. Box H

Greensboro, N. C.

Gilmore

FRUIT TREES
Peaches, Apples, Pears

GILMORE PLANT & BULB CO.

Julian, N. C.

should be easy to buy from and should not be made too pretty or orderly. He further suggested that a display on a person's right as he moves about the store is more effective than one on the left. Shoppers, he said, tend to buy from the first display they come to.

New merchandise should be placed on top of older material and toward the front, as people usually reach to the back of a display and pick items from the bottom in the belief that they are fresher. Again, Professor Brunk urged the nurserymen to watch their customers in order to determine shopping behavior.

With regard to advertising, he stated that advertising together with a price cut is 22 per cent more effective than without. As far as inquiries are concerned, half of them are obtained during the first month after an advertisement, and the rest continue to dribble in.

The public is hungry for information booklets, he said, and pointed out that an advertisement with a coupon will get double the response of one without. A free offer is 40 per cent more effective than one entailing a small charge.

Response varies with the size of an advertisement. With a 4-color advertisement instead of black and white, a 54 per cent additional response is obtained. A coupon advertisement was found to draw the highest number of inquiries in January, February and March. He stated that it is apparently unimportant whether an advertisement appears on a right-hand or left-hand page.

For signs on store displays, upper and lower case lettering is more effective than all capital letters, as it is easier to read. He stated that a 20 per cent increase in response is obtained when a colored sign is used rather than a black and white sign.

Psychological Calendar

As the nursery business is greatly influenced by seasons, Professor Brunk outlined the following calendar of the public's awareness of seasonal change: January 13 is the beginning of psychological spring. By February 23, spring is dominant in the mind, but 30 per cent of the public is thinking of summer. By March 9, very few are thinking of winter. By April 6, spring is dominant in the minds of 64 per cent of the public. June 7 is the beginning of psychological summer, which reaches its peak July 13. By August 31, 30 per cent of the people have shifted their thoughts to fall. September 7 is the beginning of fall. By October 6, fall is at its peak in the minds of 55 per

America's Finest ROSES

Contract Growing Invited

Leading Patented and Popular Varieties

Grown in our nurseries at Tyler, Texas, and Phoenix, Arizona

Write for Variety List

CARL SHAMBURGER NURSERY

P. O. Box 458

Wholesale Only

Tyler, Texas

cent of the public. November 17 is psychological winter. December 8 is the peak of winter.

Friday afternoon, August 26, Professor Brunk presented the sales training kit that his research organization had previously prepared for the Florists' Telegraph Delivery Association. The kit is composed of five records accompanied by five illustrated booklets that direct attention to features of the recordings.

Some of the points brought out in the first booklet were the following: 1. By the time a customer takes three steps into your shop, a lasting impression is formed. 2. Keep a busy atmosphere. Persons like to buy where others buy, in a busy shop. 3. Help the customer to relax and feel welcome. 4. Size up your customers during the first few seconds. Watch for personality clues that indicate the correct approach. 5. Greet every arriving customer; if busy with another, smile and nod your head. 6. Personalize your greeting; use your customer's name often. 7. Answer the phone with the name of your store and your own name. Let the customer talk to a person rather than to an institution.

The second book and record brought out the following points: 1. Know the community and where the better homes are. 2. Know the people in your town, especially those who will most likely buy your product. 3. Know about all events and happenings that call for the product you sell. 4. Remember that product knowledge is one of the big keys to successful selling.

The third book listed the following points: 1. Get the customer to talk. 2. Boost his ego. 3. Team up with him. 4. Talk satisfaction. 5. Let the shopper shop. 6. Demonstrate. 7. Let the customer choose. 8. Smile over the phone.

The fourth book brought out the following points: 1. Think big for bigger orders; it adjusts your customer's thinking upward. 2. Shoot high;

The Homestead Nurseries

H.G. Benckhuysen. Boskoop. Holland

Specializing in hardy Rhododendrons and Azaleas, Acer, Fagus, Ornamental Trees and Shrubs, Perennials in leading varieties. Quality stock. Trade list on request. Ocean and air freight.

VERHALEN NURSERY Company

SCOTTSVILLE • 12140 HARRY HINES BLVD.
TEXAS • DALLAS, TEXAS

Your Profits Grow in Verhalen Plants

VOSTERS

NURSERIES AND GREENHOUSES, INC.

Tropical Foliage
Plants for
Interior Decor

Main Office,
Secane, Pa.
(Suburban Philadelphia)
Cutler, Florida
Perrine, Florida
Wilmington, Delaware



DE GROOT BULB CO.

HOLLAND AND DOMESTIC BULBS

for Spring and Fall

Write for wholesale price list.
12-02 Ellis Ave., Fair Lawn, N. J.

Specialists in PERENNIALS

SEEDS—PLANTS—BULBS
Perhaps America's largest list of unusual plant materials.

Wholesale catalog on request.

PEARCE SEED COMPANY
Dept. N MOORESTOWN, N. J.

Maurice C. Ravensberg

Boskoop, Holland

Reliable exporters for general nursery stock since 1922.

Catalog on application

SEED

TREE and SHRUB

Importers, collectors and dealers of tree and shrub seeds. Purchase by mail the easy way. Write for free price list.

FORESTRY ASSOCIATES

160 E. Hamilton St.
P.O. Box 1069 Allentown, Pa.
Phone: HEmlock 4-5708

POTTED LINERS

Taxus Junipers

B&B sizes to trucks only.

HUMPHREYS LANDSCAPE SERVICE
Mt. Sterling, Ky.

Wholesale Growers of
Quality Nursery Stock

Since 1885

PONTIAC NURSERY CO.
Obion, Tenn.

FLORIDA - GROWN CITRUS

4-in. and 6-in. plastic pots.

Write for prices.

GOOCHLAND NURSERIES, INC.
Fleming, Fla.

TENNESSEE-GROWN STRAWBERRY PLANTS!

Passed Double State Inspection

	Per 1000
Early Varieties	
Blakemore	\$ 6.00
Premier	8.00
Dunlap	8.00
Dixieland	10.00
Tennessee Shipper	8.00
Late Varieties	
Sparkle	8.00
Armored	8.00
Tennessee Beauty	8.00
Robinson	8.00
Midseason Varieties	
Catskill	10.00
Empire	8.00
Pocahontas	12.00
Klondike	8.00
Everbearing Varieties	
Gem	12.00
Superfection	12.00
Streamliner	15.00

* Prices quoted are for delivery express collect.

* Write for prices on large orders delivered by truck.

Over four million, new crop, 18 different varieties. All plants tied 26 to a bundle and labeled. All orders filled promptly, large or small. Fresh dug plants or cold storage plants.

ROGERS' BERRY FARM

Tommy Rogers
Harrison, Tenn.
Phone: FI 4-6122

SPECIAL B&B CHRISTMAS TREES For GARDEN CENTERS

(In Lots of 100)

Delivered prices for states of: Virginia, Indiana, West Virginia, Kentucky, Pennsylvania, Delaware, New Jersey, New York, Connecticut, Massachusetts, Rhode Island.

	Each
5000 <i>Abies fraseri</i> (Balsam) 18 to 24 ins.	\$2.00
2500 <i>White Pine</i> , sheared 18 to 24 ins.	2.00
2500 <i>Canadian Hemlock</i> , sheared 18 to 24 ins.	2.75

ANTHONY LAKE NURSERY, INC.

Pineola, N. C.
Phone: REpublic 3-2456

when you suggest high your customer is flattered. 3. Sell up; the price he mentions is probably the least he will spend. 4. Watch for opportunities for tie-in sales. Every sale offers some kind of tie-in potential.

The last book related the following points: 1. Remember that your customer will respond to compliments and reassurance. 2. Write names and addresses plainly and neatly. 3. Make your substitutions sound like a better idea. 4. Treat objections and complaints fairly. 5. What the customer has bought is his; handle it with care. 6. Treat small orders like big ones and watch them grow. 7. Pay special attention to the little courtesies. 8. Look to your deliveryman—he makes tomorrow's business.

Ideas for More Sales

At the concluding session held Friday evening, the nurserymen related some of the selling ideas which they used in their businesses. It was emphasized that pictures must accompany dormant stock to show the customer—and the new salesperson—how the plant will look during the growing season. Anticipation is better than realization, and color pictures help to increase this anticipation.

Demonstration gardens have been used to advantage by many retail nurserymen as a means of showing customers how plants will look at an advanced stage. Packaged material helps cut down labor and handling costs. One nurseryman had a couple of his landscape salesmen come down to his garden center on Sunday. With a few questions directed to the customers they were able to obtain additional landscape jobs.

Professor Brunk stated that nurserymen are reluctant to give away service, particularly in the field of landscaping, but that this helps to sell nursery stock. One nurseryman said that he has doubled the size of many an order by giving the customer a landscape plan and that sales were considerably increased by having the salesman make sketches in color, as a little color in the landscape plan helps customers visualize the planting.

Another nurseryman gives the customer a copy of the plans made in a duplicating machine. It was pointed out that one can give plans free to the customer and still make him feel obligated to purchase the material to fulfill the plan.

Two other methods mentioned for handling landscape plans were to withhold them until the customer purchases 50 per cent of the stock specified on the plan and to charge for the plans, refunding the amount

WOOD-HOWELL NURSERIES, INC.

4461 Lee Hwy.

Bristol, Va.

Phone: North 9-6741

*Wholesale Growers of
Quality Ornamentals at
Reasonable Prices*

**Evergreens, Coniferous
and Broad-leaved Shade
and Flowering Trees**

Finished Stock and Liners

Write for price list.

300,000 HALL'S HONEYSUCKLE

2-yr., well-rooted, T.

10,000 SHADE TREES

Birch, Gum, Maple, Sycamore

10,000 LOMBARDY POPLARS

2 and 3-yr., T.

12,000 EVERGREENS

Ilex, Arborvitae, Juniper

See classified section for Vinca.

New catalog free on request.

Call, write or visit our nursery.

LOWELL H. MCGEE NURSERIES

Box 341

McMinnville, Tenn.

Phone: 3351

Hardy, Northern-Grown

DWARF MALLING ROOTSTOCK

E. M. IX, VII, II and
Clark Dwarf Scions

New woolly-aphid resistant
Malling-Merton

No. 104, 106, 109, 111

Quince, A

Available in transplanted stock and rooted layers. Generously graded.

Send for our list.

V. KRAUS NURSERIES

Carlisle, Ont., Canada

Phone: Waterdown, MU 9-4022

PETERS
NURSERY SPECIAL
30-10-10
UNEXCELLED FOR CONTAINER FEEDING
 The result of over 70,000 soil tests made by the Robert B. Peters Co. over the past 14 years.
18¢ PER POUND DELIVERED PRICE IN 300 LB. LOTS LESS THAN 300 LBS. F.O.B. ALLENTOWN
 ADD 3¢ PER POUND WEST OF THE MISSISSIPPI
 (See Our Classified Ad This Issue)

ROBERT B. PETERS CO., INC.
 2833 PENNSYLVANIA ST. ALLENTOWN, PA.

WOOD LABELS

For Nurserymen

DAYTON FRUIT TREE LABEL CO.

Ray and Kiser Sts.
 DAYTON, O.

BURLAP



STERLING BAG & BURLAP CO.

41 Carolina St.
 Buffalo 1, N. Y.
 Phone: CL 2339

Twine and Cordage

For All Nursery Requirements

GEO. B. CARPENTER & CO.
 SINCE 1840

401 N. Ogden Avenue, Chicago 22, Ill.

when the specified stock is purchased. It was thought by one of the nurserymen that people resent not getting plans, and Professor Brunk remarked that plans do the nurserymen no good if they are in the store files.

One of the group related that he has had success with a 5-year landscaping plan, in which the customer buys a certain quantity of the stock each year. Another nurseryman stated that an industrial company leases its landscape plants from his nursery and pays the nursery to maintain the plantings under a yearly contract. This is completely deductible as a business expense and does not entail a capital expenditure.

Professor Brunk concluded the discussion by advising the nurserymen that they must try different techniques to see what succeeds in their business.

THREE NEW PEARS

Small amounts of budwood of Magness and Moonglow, new pears for central and eastern states, and of Dawn for western states have been released by the United States Department of Agriculture for increase by nurserymen.

Magness and Moonglow are highly resistant to pear blight and so are suitable for planting in the east and midwest where it has been impossible to grow other high-quality pears. Dawn is only slightly resistant to blight and should be planted in areas where the disease is not serious.

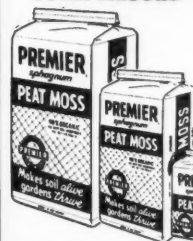
Magness fruit is high in quality, sweet flavored, juicy and highly aromatic. Oval shaped, the fruit has strong, russet-colored skin somewhat resistant to insect punctures and decay. The flesh is softer than that of Bartlett pears.

Magness trees are vigorous and spreading. They produce a good blossom set, but no pollen; so other pears are needed nearby to insure pollination. Parent trees and propagations from them have thorns, but this characteristic may decrease or disappear as repropagations are made.

Fruit of Moonglow and Dawn closely resembles Bartlett in shape and other respects but matures about two weeks earlier. Both are of good quality, aromatic, slightly acid and smooth skinned. Moonglow pears are larger than those of Dawn, ripen 15 to 18 days after picking and are moderately juicy, quite free of grit cells and well suited to canning or fresh uses. Dawn pears are small, juicy, spicy and good for canning and ripen 12 to 14 days after harvest.

PILE UP PROFITS with PREMIER Sphagnum PEAT MOSS

BALES: COMPRESSED



Large Bales
 7 cu. ft.

Plastic Bales
 6, 4, 1½
 ¾ cu. ft.

Poly-laminated inside & outside

BAGS: BULK PACKED

Ready To Use



King Size Bags
 free-flowing
 More coverage
 More value
 6 & 3 cu. ft.

poly-laminated outside with separate poly bag inside

PLASTIC PACKAGES



3 pack 1 pack

Also European Peat Moss
 10½, 7½, 6, 4½ cu. ft. compressed bales

Any combination shipped in one carload

Send for prices now
PREMIER PEAT MOSS CORP.
 535 Fifth Ave., New York 17, N. Y.

Pacific Coast News

PENINSULA CHAPTER

The Peninsula chapter of the California Association of Nurserymen held its annual installation meeting at Villa Chartier, San Mateo, with John Coulter, Coulter's Nursery, San Carlos, as host. C. A. N. President Robert Warner, Manhattan Garden Supply Co., Manhattan Beach; Elmer Merz, C. A. N. executive secretary; Jack Wick, assistant executive secretary, and Al Pettler, Pettler Advertising Agency, Walnut Creek, C. A. N. promotion and publicity director, were guests. The installation was conducted by C. A. N. vice-president and Peninsula chapter director, Walter Borchers, W. B. Clarke & Co., San Jose.

Other guests were Maunsell Van Rensselaer, director of the Saratoga Horticultural Foundation, Saratoga, and Vic Canavese, San Mateo county agricultural commissioner.

Peninsula chapter President-elect John Hahn, Ruehl-Wheeler Nursery Co., Inc., San Jose, received the gavel and stand (a C. A. N. award) from Past President Lou Schenone, Pacific Nurseries, Colma. Mr. Schenone was presented an engraved gavel to commemorate his leadership, which led to many chapter contributions to the state association and horticultural accomplishments by Peninsula chapter members.

Maunsell Van Rensselaer was praised by President Hahn and chapter members for receiving the Pacific Coast Nurseryman award for his contribution to horticulture.

C. A. N. President Robert Warner congratulated the Peninsula chapter for placing second in the state-wide new membership enrollment drive contest, stating that by numbers of new members enrolled, the Peninsula chapter was first, but by percentage of increase, lost out by only 4 per cent.

He announced the appointment of John Coulter as chairman of the membership and dues classification committee and Peter Sugawara, Monte Bello Nursery, Los Altos, as chairman of the 13th annual refresher course for nurserymen at San Luis Obispo, sponsored jointly with California State Polytechnic College.

The November 3 meeting was scheduled for the Villa Lafayette, Mountain View, the host being Itsuo Uenaka, Cupertino Nursery, Cupertino. Peter Sugawara, Sec'y.

XMAS TREE GROWERS MEET

New officers of the California Christmas Tree Growers Association elected at the October meeting are Howard A. Nielsen, Santa Cruz, president; Ben Miller, Arroyo Grande, vice-president; E. F. Rowley, Soquel, treasurer, and Mrs. Howard A. Nielsen, Santa Cruz, secretary.

At the October meeting several reports were made on the growing of Christmas trees in California. This is a relatively new industry for the state, and while areas in the mountains of this and other states have been used for selective cutting of forest trees for Christmas trees, the growing of them on a horticultural, intensive agricultural basis on the lowlands and near the ocean is new. This type of culture has brought up problems, including the methods of

soil preparation, fertilizers, value of irrigation, costs of production, spraying, soil fungus, varieties and similar matters. They are being attacked carefully, and technical workers at the University of California and the agricultural extension services are co-operating with the growers.

Most recent of the disease problems has been the appearance of dwarf mistletoe, which causes trunk swelling, witches'-broom and, occasionally, branch killing. The disease is not new to the conifers in the state, but it takes on greater stature when a crop which is grown so intensively is under consideration. To date, the only recommendation for its control is removal of diseased trees and a quarantine which would isolate the trees to prevent initial infections.

W. B. B.

CALIFORNIA ARBORISTS

At the October meeting of the California Association of Arborists, John Davis, Davis Tree Service,

RHODODENDRONS

HUSKY
TWO YEAR
OWN ROOT
PLANTS



COMPLETE LIST

HYBRIDS—IRONCLADS

1.50 F.O.B. CHINO

DELIVERY NOVEMBER-MARCH and JUNE

DESCANSO Nurseries

TYPICAL 2 YR. BALLED LINER PIPELINE AND WALNUT STREETS, CHINO, CALIFORNIA

Moore

MINIATURE ROSES

Ask for new
1960-61 listing of
40 varieties—including

DIAN, LOLLIPOP, LITTLE
BUCKAROO, PINK HEATHER,
PINK JOY, POLKA DOT,
BIT O' SUNSHINE, etc. . . .

"Moore Miniature Roses"

SEQUOIA NURSERY Visalia, Calif.



ORNAMENTAL WOODY PLANTS
AND ROSES

Write for our lists.

W. B. CLARKE & CO.
P. O. Box 343 SAN JOSE, CALIF.

RHODODENDRON AND EVERGREEN LINERS

In Season

J. B. WHALLEY NURSERY
Rt. 2, Box 683 TROUTDALE, ORE.

Have You Heard About

MY FAIR LADY?



RUEHL-WHEELER NURSERY CO., INC.
255 Ford Rd. San Jose, Calif.

DOTY & DOERNER, Inc.

6691 S. W. CAPITOL HIGHWAY
PORTLAND 1, OREGON

WHOLESALE
GENERAL NURSERY STOCK



*Nine twenty-six remains the same,
But Ely Street has changed its name.
We thought that you would like to know
PHILADELPHIA STREET the sign will show.*

Your rose season will change for the better
when you change to **TOPS in ROSES.**

BUSHES — CLIMBERS — TREE ROSES

2-yr., field-grown — dormant bare-root.

Prepare **NOW** for the shipping season just ahead.



WEEKS WHOLESALE ROSE GROWER

O. L. WEEKS

926 W. PHILADELPHIA ST.

ONTARIO, CALIF.



Menlo Park, led a discussion on the "Aspects of Consultation Fees," a topic that is being constantly considered by the association. The purpose of the fees is to impress on the public that tree care is a profession rather than a trade and that prospective users of the services of an arborist must pay for advice as well as for treatment.

Another purpose is to lessen the opportunities of one so inclined to call in several arborists, get information and competitive bids and then

either force prices down or use the information obtained to do work himself or have it done under his direction by an unskilled lower-priced worker. Arborists are not generally agreed on how to curb practices such as this or on whether a real attempt to do so should be made, officially, by the association.

Special guest at the meeting was the newly appointed agricultural commissioner of San Mateo county, Victor A. Canevese. He offered the continued use of the consultation

room at the county offices as a meeting place for the association.

For the November meeting of the California Association of Arborists a lawyer has been secured to discuss with the membership the "Legal Aspects of Fees for Consultation." The speaker will be furnished by the Palo Alto Law Association speakers' bureau, which arranges such talks without charge. The need for this information resulted from a statement made at a previous meeting that such fees may not be collectible

PORTLAND WHOLESALE NURSERY CO.

5050 S. E. STARK ST.

Avery H. Steinmetz
Paul E. Van Allen

PORTLAND 15, OREGON

Excellent Supply
Increased Variety
Oregon-Grown Quality
MAY WE HEAR
FROM YOU?

Quality Stock

CONIFERS AND BROAD-LEAVED
EVERGREENS
SHADE AND FLOWERING TREES
FRUIT TREE SEEDLINGS
FRUIT TREES
DECIDUOUS SHRUBS
VINES AND BULBS
PORTLAND ROSES
NURSERY SUPPLIES

Write for our Catalog

A. MCGILL & SON

FAIRVIEW, ORE.

Wholesale only

FRUIT TREE SEEDLINGS
FLOWERING ORNAMENTAL TREES
SHADE TREES

Licensed Growers of

Crimson King Maple (Pat. No. 735)
Moraine Locust (Pat. No. 836)
Shademaster Locust (Pat. No. 1515)
Skyline Locust (Pat. No. 1619)
Sunburst Locust (Pat. No. 1313)

Constant Vigilance Results
in Quality Stock

Combination carloads to eastern
distributing points.
Write for our list.

ROSES

OLD and NEW

Fine-quality, two-year plants
budded on Multiflora in over
250 varieties.

Write for our 1960-61 list explaining
our new freight-saving plan.



MT. HOOD NURSERY

Rt. 2, Box 96
GRESHAM, ORE.

MILTON NURSERY CO.

Since 1878

MILTON-FREEWATER, ORE.

Flowering, Ornamental, Shade
Trees and Shrubs, Fruit Trees,
Fruit Tree Seedlings and Angers
Quince Rooted Cuttings.

Licensed Growers of

Crimson King Maple (Pat. No. 735)
Imperial Locust (Pat. No. 1605)
Moraine Ash (Pat. No. 1768)
Moraine Locust (Pat. No. 836)
Shademaster Locust (Pat. No. 1515)
Sunburst Locust (Pat. No. 1313)

Send for Our Price List

Combination carlots for eastern
distributing points.

OREGON HOLLIES

Skimmia japonica
General Nursery Stock
May we quote you?

ALFRED TEUFEL

Wholesale Grower
11414 N.W. Cornell Rd.
Portland, Ore.

QUALITY LINERS

Write for our catalog listing
over 500 varieties.

MITSCHE NURSERY

Aurora, Ore.

ROSES

Top-quality, field-grown patented and
standard roses.

Write for list and prices.

JOHN CARRIGG & SONS
Jefferson, Ore.

SHADE and FLOWERING TREES

Broad-Leaved and Coniferous
Evergreens
B&B or Container-Grown
Write for list.

TILLSTROM NURSERY

R. F. D. 3, Box 870 Gresham, Ore.

unless they have been sanctioned by
"accepted practice in the trade."

W. B. B.

PROPOSE TREE ORDINANCE

The Superior chapter of the California Association of Nurserymen is sponsoring a plan for a greater use of the proper kinds of trees for planting about the homes and streets of Sacramento. To emphasize the association's theme during the consideration of a tree ordinance for the city, 50 signs, each about 3x5 feet, were posted in various parts of the city. The signs read: "Planting a Tree? Plant the RIGHT TREE in the RIGHT PLACE. Our experts will help you by the proper tree selection to avoid overhead wires and sewer and sidewalk problems." The Sacramento Bee, in an editorial on the subject, called attention to the need for an ordinance as proposed with some constructive criticism including the need of the addition to the ordinance rules for controlling the pruning and the setting of standards for such work.

W. B. B.

OREGON DIRECTORS DISCUSS CONVENTION PLANS

The board of directors of the Oregon Association of Nurserymen met October 12 at the Portland Wholesale Nursery Co., Portland, with President Reed Vollstedt, Reed's Garden Centers, Eugene, in charge. Prior to the board meeting, the O. A. N. convention committee met, with General Chairman Erwin Fowler, Milton Nursery, Milton-Freeman, leading that group.

One of the principal items of business for the convention committee and the board members was that of completing program arrangements for the O. A. N. convention January 25 and 26. Already numbered among the speakers who will appear at the convention are L. H. McGuire, Puget Sound Nursery & Gift Shop, Tacoma, Wash., vice-president of the A. A. N.; Dr. Howard W. Runkel, chairman, department of speech and drama, Willamette University, Salem, and Tom Prideaux, vice-president, U. S. National bank, Portland. Dr. Runkel will speak about the "Challenge of the Change," and Mr. Prideaux will talk about "Credit Trends."

The theme adopted for the convention is the O. A. N. \$celebration, with emphasis on the way in which more nursery stock can be sold. A grading symposium will be held. Verl Holden, H. L. Percy Co., Salem, has been placed in charge of

MAHONIA AQUIFOLIUM

(Oregon-Washington Holly Grape)

A very beautiful evergreen shrub with large, glossy leaves and yellow flowers conspicuously appearing in spring and followed by dark blue berries; a most satisfactory broad-leaved evergreen for any place in the United States.

	Per 100	Per 1000
1-yr., S.	\$ 5.00	\$ 40.00
2-yr., S.	7.00	60.00
3-yr., S.	10.00	90.00

SEEDLINGS have been root-pruned to insure a good root system. The 3-yr. seedlings have also been cut back, to make a more bushy, compact plant.

TERMS: Check is requested before shipment or will ship C.O.D., if preferred. All orders shipped by railway express unless otherwise stated.

Place Your Order Now for Fall,
1960 or Spring, 1961, Delivery

Chenoweth's

MOUNT VERNON NURSERY

Mount Vernon, Wash.

(ALL ORDERS SHIPPED SAME
DAY THEY ARE DUG)

DOERFLER SPECIALTIES

SHEARED

BOXWOOD

Many nurserymen tell us we
have the best

SHEARED

GLOBE AND PYRAMID BUXUS SEMPERVIRENS

in the United States.

Also Dwarf Suffruticosa and general nursery stock, including large shade and flowering trees.

We have shipped in carlots to many parts of the United States for years.

F. A. DOERFLER & SON, INC.

250 Lancaster Dr., N. E.
Salem, Ore.

NEW APPLE UNDERSTOCKS

Write for

THE MALLING-MERTON STORY

Full information on the new controlled M.M. Apple rootstocks, M.M. 104, 106, 109, 111 and M XXV.

Limited number of each available to nurserymen spring, 1961. Our mother stocks sent to us direct from E.M. Research Station, guaranteed true to number.

Trade List on Request

Chick-A-Dee Nursery

Sherwood, Ore.

entertainment. The annual trade fair exhibit is being headed by Norman June, Junay's Garden Center, Portland, and Wayne Arnold, Arnold's Clematis Nursery, Milwaukie.

Robert Snodgrass, Seven Dees and Esch Nurseries, Portland, will be the installing officer for the newly elected officers. Each of the chapters of the O. A. N. is preparing some entertainment for the annual Chapterama night. To spur them on, a Chapterama permanent trophy is being planned for presentation to the winner of the event.

Treasurer Paul Van Allen, Portland Wholesale Nursery Co., reported the finances to be in A 1 shape. President Vollstedt reported that no successor to Executive Secretary Charles Potter had yet been appointed, but that a selection would be made before long. C. H. P.

OREGON NOTES

Chris Rich, Rich & Sons Nursery, Hillsboro, was honored at the October 17 meeting of the Sunset chapter of the Oregon Association of Nurserymen, at the Forest Hills Country Club, Cornelius. Charles Drew, Drew's Nursery, Beaverton, president of the Sunset chapter, told the many chapter members and members of other O. A. N. chapters present of Mr. Rich's background and his many years' service to the nursery industry.

Entertainment was supplied by William Gerber, Portland Wholesale Nursery Co., who showed his slide story of the "Gerbers in the Wilderness." In charge of the evening's program was William Curtis, Wil-Chris Acres, Sherwood.

Mrs. Hallie Parker, Parker's Nursery, Applegate, and Charlie Lester, honorary member of the Oregon Association of Nurserymen, also of Parker's Nursery, were recently involved in an automobile accident. Both were taken to the Rogue River hospital, Roseburg, in serious condition. Mrs. Parker received internal injuries which will confine her to the hospital for some time and Mr. Lester was badly bruised.

Marshall Nursery & Florist, Medford, have begun construction on a new building which will house a complete line of garden supplies and equipment. C. H. P.

CUTTING-GROWN RHODODENDRON LINERS

Hardy and semihardy varieties.

Quality only

VAN VEEN NURSERY

3127 S. E. 43rd Ave.
PORTLAND 6, ORE.

QUALITY NURSERY STOCK

ACER PLATANOIDES

Fraassen's Red-Leafed Maple	Per 10	Per 100
6 to 8 ft., br.	\$35.00	\$325.00
5 to 6 ft., br.	25.00	225.00
8 to 9 ft., whips.	30.00	225.00
7 to 8 ft., whips.	25.00	210.00
6 to 7 ft., whips.	21.00	180.00
5 to 6 ft., whips.	16.00	140.00
4 to 5 ft., whips.	13.00	110.00
3 to 4 ft., whips.	10.00	85.00

Norway Maple

12 to 14 ft., br.	35.00	325.00
10 to 12 ft., br.	30.00	275.00
8 to 10 ft., br.	25.00	225.00
6 to 8 ft., br.	20.50	180.00
5 to 6 ft., br.	15.00	135.00
8 to 9 ft., whips.	10.50	100.00
7 to 8 ft., whips.	10.00	95.00
6 to 7 ft., whips.	9.50	90.00
5 to 6 ft., whips.	8.00	75.00
4 to 5 ft., whips.	6.00	55.00

Columnar Norway Maple

3-yr., 11 to 12 ft.	33.50	310.00
3-yr., 10 to 11 ft.	30.00	275.00
2-yr., 9 to 10 ft.	27.50	250.00
2-yr., 8 to 9 ft.	25.00	225.00
2-yr., 7 to 8 ft.	22.00	195.00
2-yr., 6 to 7 ft.	18.50	170.00
1-yr., 5 to 6 ft.	15.50	140.00
1-yr., 4 to 5 ft.	12.00	110.00
1-yr., 3 to 4 ft.	10.00	90.00

Drummond's Norway

Variegated Maple		
6 to 8 ft., br.	28.50	260.00
5 to 6 ft., br.	23.50	210.00
8 to 9 ft., whips.	21.00	185.00
7 to 8 ft., whips.	20.00	175.00
6 to 7 ft., whips.	18.00	165.00
5 to 6 ft., whips.	14.50	130.00
4 to 5 ft., whips.	10.00	90.00

ACER PSEUDOPLATANUS

Improved Spæthi		
12 to 14 ft., br.	37.50	350.00
10 to 12 ft., br.	32.50	300.00
8 to 10 ft., br.	27.50	250.00
6 to 8 ft., br.	22.50	200.00
5 to 6 ft., br.	16.50	150.00
6 to 7 ft., whips.	12.50	115.00
5 to 6 ft., whips.	10.00	90.00
4 to 5 ft., whips.	8.00	70.00

ACER RUBRUM

(Red Maple)		
10 to 12 ft., br.	32.50	300.00
8 to 10 ft., br.	27.50	250.00
6 to 8 ft., br.	22.50	200.00
5 to 6 ft., br.	16.50	150.00
4 to 5 ft., br.	12.50	115.00

ACER SACCHARUM MONUMENTALE

(Columnar Sugar Maple)		
8 to 10 ft.	27.50	250.00
7 to 8 ft., whips.	25.00	225.00
6 to 7 ft., whips.	22.50	200.00
5 to 6 ft., whips.	20.00	175.00
4 to 5 ft., whips.	17.50	150.00
3 to 4 ft., whips.	15.00	125.00

BETULA ALBA

(European White Birch)		
12 to 14 ft., br.	35.00	325.00
10 to 12 ft., br.	27.50	250.00
8 to 10 ft., br.	22.50	200.00
6 to 8 ft., br.	16.50	150.00
5 to 6 ft., br.	12.00	110.00
4 to 5 ft., br.	8.00	85.00
3 to 4 ft., br.	6.50	60.00

FRAXINUS QUADRANGULATA

(Blue Ash)		
10 to 12 ft., br.	37.50	350.00
8 to 10 ft., br.	32.50	300.00
6 to 8 ft., br.	27.50	250.00
5 to 6 ft., br.	22.50	200.00
6 to 7 ft., whips.	18.00	165.00
5 to 6 ft., whips.	15.00	135.00
4 to 5 ft., whips.	12.00	105.00

Quantity Prices and Catalog
Upon Request



POWELL VALLEY NURSERY

210 S. E. Vista Ave.
Gresham, Ore.

Phone: MOhawk 5-3537

CLASSIFIED ADS

Rate: 40 cents per line, each insertion.

Minimum order, \$4.00.

Instructions for the December 15 issue must be received by Friday, November 25.

Forms for January 1 issue will close Friday, December 9.

AZALEAS

BECKY AZALEA
New Azalea with longer lasting flowers.
Full graded plants in clay pots for forcing
as needed. Write for prices, stating quantity
required. ORDER NOW.

Patent No. 1699.
VOSTERS NURSERIES AND GHSES, INC.
Secane, Pa.

HINO-CRIMSON, GLENN DALES, ETC.
Thousands of beautiful Hino-Crimson and
other evergreen Azaleas, including newer vari-
eties. Dense, bushy, well-budded for land-
scape planting and forcing. Selling fast—
order now. Landscape sizes, liners.

THE TANKARD NURSERIES, Exmore, Va.
AZALEAS IMPORTED FROM HOLLAND
AZALEA MOLLIS SINENSIS
WELL-BUDDED, VERY HARDY.
SPRING DELIVERY.
WRITE FOR WHOLESALE PRICE LIST.
HEEMSKERK & CO.'S BULBS
P. O. Box 392 Ridgewood, N. J.

AZALEAS
Rooted cuttings, hardy, evergreen.
Thousands of beautiful Hino-Crimson and
Hino-Crimson, Gable, kaempferi and Vuyki-
ana hybrids. List on request.
JOHN VERMEULEN & SON, INC.
P. O. Box 336A Neshanic Station, N. J.

AZALEAS
25 varieties.
Field-grown and rooted cuttings.
WIGMORE'S NURSERIES
Norman Ave., Riverside Pk., Riverside, N. J.
Phone BElmont 5-2210.

EXBURY HYBRID AZALEAS
14 varieties, from grafts or cutting-grown.
Lining-out and budded stock. Limited quan-
tity. Complete price list on request.
HOLLAND NURSERY PRODUCTS
P. O. Box 339 New York 10, N. Y.

AZALEAS
For forcing and landscape planting.
Write for our full trade list.
THE LEVICK NURSERY CO.
R. F. D. 3 Bridgeton, N. J.

BARBERIES

BERBERIS CRIMSON PIGMY
Per 100 Per 1000
2 1/2-in. pots, 2-yr. \$20.00 \$180.00
4-in. Cloverset pots 40.00 350.00
Write for complete list.
GULF STREAM NURSERY, INC.
Wachapreague, Va.

RED-LEAVED BARBERY
Per 100 Per 1000
2-yr. seedlings \$9.00 \$70.00
12 to 18 ins., 2 branches up \$9.00 \$70.00
9 to 12 ins., 1 branch up 7.00 55.00
PETER BROUWER'S NURSERIES
24 Lester St. New London, Conn.

Barberry liners, Crimson Pigmy, julianae,
julianae nana, mentorensis. Please see com-
plete list on pages 74-75.
C. H. RENEDICT
Templeton, Phytotektor, Winchester, Tenn.

BERRY PLANTS

RASPBERRY PLANTS
New Logan, tips \$35.00 per 1000
Cumberland, tips 35.00 per 1000
Latham Red, suckers, 1/4 50.00 per 1000
Latham Red, suckers, 3/16 50.00 per 1000
Fall or spring delivery.
C. H. RENEDICT
Grand Junction, Mich.

Surplus Stock
can be easily and quickly turned into
Cash
by listing it in the
American Nurseryman Classified Ads.

BUXUS

Buxus sempervirens (Boxwood), 6 to 8 ins.,
\$12.00 per 100, \$100.00 per 1000.
Mountville Nurseries, Mountville, Ga.

BULBS AND TUBERS

IMPORTED DUTCH FALL BULBS
WRITE FOR WHOLESALE
PRICE LIST.
HEEMSKERK & CO.'S BULBS
P. O. Box 392 Ridgewood, N. J.

TUBEROUS BEGONIAS

Double-flowered CAMELLIA type, 8 colors.
Per 100 Per 1000
1 1/2 to 1 3/4-in. \$ 6.50 \$ 55.00
1 1/2 to 2-in. 10.00 90.00
2 to 2 1/2-in. 15.00 135.00
2 1/2-in. up, mammoth 20.00 175.00
Double-flowered FIMBRIATA (Carnation),
6 colors.

1 1/2 to 1 3/4-in. \$ 7.50 \$ 65.00
1 1/2 to 2-in. 13.50 125.00
2-in. up 16.50 145.00
PENDULA (hanging basket type), 6 colors.
1 1/2 to 1 3/4-in. \$ 8.00 \$ 70.00
1 1/2 to 2-in. 13.50 125.00
2-in. up 17.50 165.00

PICOTEE, bicolor red and white double
flowered.
1 1/2 to 2-in. \$13.50 \$125.00
MULTIFLORA HYBRIDS, reds, salmon,
yellows.

MULTIFLORA MAXIMA (new), 6 colors.
1-in. up \$13.50 \$125.00
Minimum order \$10.00.

GLOXINIAS

The best leading commercial varieties.
1 1/2 to 1 3/4-in. \$ 7.50 \$ 65.00
1 1/2 to 2-in. 15.00 140.00
2-in. 22.00 200.00
2 1/2-in. up (mammoth) 27.50 250.00
Minimum order \$10.00.

FANCY-LEAVED CALADIUMS
Over 100 of the finest new commercial
named varieties in regular and lance-leaved
type. Send for our colored charts with cul-
tural directions.

No. 3, 3/4 to 1-in. \$ 6.00 \$ 50.00
No. 2, 1 to 1 1/2-in. 10.00 90.00
No. 1, 1 1/2 to 2 1/2-in. 16.00 150.00
Jumbo, 2 1/2 to 3 1/2-in. 23.00 220.00
Mammoth, 3 1/2-in. up 35.00 325.00
Minimum order \$10.00.

Include postage charges when requesting
shipments by parcel post.

LOUIS DANK

1170 Broadway New York 1, N. Y.

CHESTNUTS

Chinese Chestnuts, 18 to 24 ins., \$17.50 per
100, \$150.00 per 1000.
Mountville Nurseries, Mountville, Ga.

CLEMATIS

CLEMATIS VINES

Large flowering, from 4-in. pots.
Blooming size, 1-yr. frame,
\$10 each.

Gypsy Queen, purple
Lanuginosa candida, white
Ernst Markham, red
Duchess of Albany, pink bell
Ville de Lyon, red
Lawsoniana, sky-blue.

Plants shipped bare-root.
Cash with order. Fall delivery.
FOUR STAR NURSERY
8215 238th St. W. Edmonds, Wash.

Sell Stock Quickly and Easily with
American Nurseryman Classified Ads.

DELPHINIUMS

DELPHINIUMS

Our field-grown Delphiniums are excellent
this year. Be sure to write for new list. As a
get-acquainted offer, let us send to your ad-
dress, 50 Pacific Giant Hybrid Delphiniums,
2-yr.-old plants, in assorted colors, for \$8.00,
postpaid to your nursery.

WALTERS GARDENS
R. R. 2 Zeeland, Mich.

Classified Ads Offer Maximum
Results at Minimum Cost.

DOGWOODS

DOGWOODS

Per 10 Per 100
Cornus florida plena, double white
6 to 12 ins., 1-yr., bare-root.. \$5.00 \$45.00
12 to 18 ins., 1-yr., bare-root.. 6.00 55.00
18 to 24 ins., 1-yr., bare-root.. 9.00 80.00
2 to 3 ft., 1-yr., bare-root..... 11.50

Cornus florida rubra, pink-flowering
6 to 12 ins., 1-yr., bare-root.. 5.00 45.00
12 to 18 ins., 1-yr., bare-root.. 6.00 55.00
18 to 24 ins., 1-yr., bare-root.. 9.00 80.00
2 to 3 ft., 1-yr., bare-root..... 11.50 100.00

CASH, PLEASE.
BYERS NURSERY CO.
Route 2 Huntsville, Ala.

CORNUS FLORIDA RUBRA

(Pink Dogwood)

Northern-grown, sheared tops.
3 to 4 ft., B&B. \$ 3.75
4 to 5 ft., B&B. 5.00
5 to 6 ft., B&B. 6.50
6 to 7 ft., B&B. 8.00
7 to 8 ft., B&B. 15.00

Pickup at nursery.
BROOKVILLE NURSERIES
Box 53, Northern Blvd., Glen Head, L. I., N.Y.

EUONYMUS

EUONYMUS LINERS

ROOTED CUTTINGS from open frame.
Per 100 Per 1000
E. fortunei coloratus \$6.50 \$45.00
E. fortunei Sarcocoe 8.00 60.00
E. fortunei minimus 8.00 60.00
E. patens 6.50 45.00
E. patens, small leaf 6.50 45.00
FOX NURSERY, HUMANSVILLE, MO.

EVERGREENS, Liners

EVERGREEN LINERS

Per 100 Per 1000
GLOBE ARBORVITAE
Woodwardi, dark green, 1-yr.
transplants, 4 to 6 ins. \$30.00 \$250.00
Hovey's, green; 1-yr. trans-
plants, 4 to 6 ins. 25.00 200.00
2-yr. transp., 6 to 8 ins. 40.00 300.00

PYRAMIDAL ARBORVITAE
Compacta, green, 1-yr.
transplants, 5 to 7 ins. 35.00 300.00
JUNIPER, Blue Pfitzer,
(chimonas hetzi), 1-yr.
transplants, 5 to 7 ins. 25.00 200.00

JUNIPER, Irish, 1-yr. trans-
plants, 4 to 6 ins. 30.00 250.00
JUNIPER, Andorra, 1-yr.
transplants, 4 to 6 ins. 30.00 250.00
JAP. YEW, grown from seed,
Taxus cuspidata capitata,
upright, pyramidal, 4-yr.
transp. (2-2), 6 to 12 ins. 30.00 200.00

JAP. YEW, transplanted rooted
cuttings.
Taxus cuspidata, spreading
1-yr. transp., 5 to 6 ins. 25.00 175.00
2-yr. transp., 6 to 8 ins. 35.00 250.00
Taxus hicksii, upright,
1-yr. transp., 6 to 7 ins. 25.00 175.00
2-yr. transp., 8 to 10 ins. 40.00 300.00

Taxus brownii, upright,
1-yr. transp., 4 to 6 ins. 25.00 175.00
2-yr. transp., 6 to 8 ins. 35.00 250.00
Taxus hunnewelliana, semi-
upright,
1-yr. transp., 4 to 6 ins. 25.00

Taxus intermedia, spreading,
1-yr. transp., 4 to 6 ins. 25.00 175.00
2-yr. transp., 6 to 8 ins. 35.00 250.00
JAPANESE HOLLY (Ilex)
Rotundifolia, transplants,
6 to 10 ins. 35.00 300.00
Convexa, transplants,
6 to 10 ins. 35.00 300.00
Crenata hetzi, transplants,
6 to 10 ins. 35.00 300.00

AMERICAN HOLLY, FEMALE
10 per cent male, 1-yr.
transplants, 8 to 12 ins. 50.00 400.00
DELIA BRADLEY
1-yr. transp., 8 to 12 ins. 50.00 400.00
MUSSER FORESTS, INC.
Box 16KC Indiana, Pa.

3-YR. BEDDED, POTTED

Each, 100 1000
Andorra Juniper, 8 to 10 ins., T. \$0.50 \$0.40
10 to 15 ins., T.60 .50
Pfitzer Juniper, 8 to 10 ins., T.50 .40
10 to 15 ins., T.60 .50
Pfitzer comp. Juniper,
8 to 10 ins., T.50 .40
10 to 15 ins., T.60 .50
Taxus hicksii, 6 to 10 ins., T.45 .40
Thuja globosa, 12 to 15 ins., T.50 .45
Thuja pyramidalis,
18 to 24 ins., T.60 .50
Thuja wareana (Siberian),
12 to 15 ins., T.50 .45

2-YR. POTTED, 2 1/2-IN. POTS
Juniper, Pfitzer 27 1/2 .25
Juniper, Pfitzer compacta 27 1/2 .25
Taxus, Adams columnaris 30 27 1/2
Taxus brownii 30 27 1/2
Taxus hatfieldi 30 27 1/2
Taxus intermedia 30 27 1/2
Thuja woodwardi 25 22 1/2

THE HOLLANDIA GARDENS
South Vienna, O.

TAXUS HICKSI

6 to 8 ins., from open beds.
Greenhouse propagated.
January 1, 1959, X, \$180.00 per 1000.
January 1, 1958, XX, \$250.00 per 1000.
12 to 18 ins., field liners, 4-yr., XX,
\$400.00 per 1000.
Also for DECEMBER
Cutting wood, stems 10 to 15 ins., in lots
of 5000, 2c each. NO SHIPPING.
Stock sold for cash pickup only.
Nursery open from 9 A. M. to 5 P. M.
DUNLAP'S NURSERY
Oakwood Manor, Cromwell, Conn.
Phone Diamond 6-4972, 7 to 8 A. M. or
after 7 P. M.

MIAMI NURSERY PRICE LIST

2-YR. POTTED STOCK
The finest: Taxus, Arborvitae, Junipers
and broad-leaved liners and rooted cuttings.
2-yr., pot-grown stock, 7 to 9 ins., sheared,
20c to 26c each, per 1000 rate.
1-yr.-old, heavy rooted cuttings, 8c to 10c,
per 1000 rate.
NOTE: Write for price list with full line
of potted stock and rooted cuttings. "GET
ACQUAINTED" OFFER on 250 2-yr. pot
plants or 250 rooted cuttings. Special prices
on large quantities. Samples free on request.
Call collect TIPP CITY, MO 7-6393.
MIAMI NURSERY CO., TIPP CITY, O.

EVERGREENS, LINERS

Per 100 Per 1000
Taxus browni, 3-yr., T, \$28.00 \$250.00
cut back 35.00 300.00
Taxus capitata, 4-yr., s. T. 5.00 45.00
2-yr., s. T. 20.00 180.00
Taxus cuspidata, 2-yr., T. 25.00 225.00
3-yr., T. cut back 40.00 350.00
4-yr., T. cut back 20.00 180.00
Taxus densiformis, 2-yr., T. 25.00 225.00
3-yr., T. cut back 20.00 180.00
Taxus hicksii, 2-yr., T. 25.00 225.00
3-yr., T. 25.00 225.00

PETER BROUWER'S NURSERIES

24 Lester St. New London, Conn.
PINE, SPRUCE SEEDLINGS
AND LINERS 100 1000
Scotch Pine, 3-yr., 9 to 14 ins., \$ 6.00 \$30.00
(French and Spanish strains)
Colo. Blue Spruce, 4-yr.,
6 to 12 ins., 10.00 50.00
Norway Spruce, 3-yr., 6 to 12 ins. 6.00 35.00
Juniperus glauca hetzi, 2-yr.,
6 to 12 ins., 30.00
Spreading Jap. Yew, 4-yr.,
6 to 12 ins., 40.00
Write for complete list.
PAINT CREEK NURSERIES
R. D. 1 Shipperville, Pa.

LINING-OUT EVERGREENS

SEE OUR DISPLAY AD
IN THIS ISSUE
ON PAGES 38-39.

CARTWRIGHT NURSERY CO.
Collierville, Tenn.

ROOT YOUR CUTTINGS

1-yr. wood only.
Taxus, 100, 6 1/4c; 1000, 6c; 5000 up, 5c.
ROOTED CUTTINGS, available spring 1961.
5000 intermedia (Sebian), 3000 hicksii, 2500
Taxus intermedia, 2500 Boxwood (semp.),
100, 8 1/2c; 1000, 8c; 5000 up, 7c. 10,000 Eucy-
mus vegetus, 6c. 10c per cent with order.
PONTIUS GREENHOUSE AND NURSERY
8425 Butternut Ridge Elyria, O.
Phone GL 8-4839 (DDD area code NO. 216)

TAXUS CUTTINGS

Heavy unrooted cuttings for late fall.
TAXUS, CUSPIDATA, NANA, INTERME-
DIA and HICKSI.
\$20.00 per 1000. Packing free.
ILEX HETZI and ILEX ROTUNDIFOLIA.
EUCYMYMUS SARCOXIE, VEGETUS.
\$15.00 per 1000.
Money with order.

FAIRVIEW FLORAL NURSERY

27819 Center Ridge Westlake, O.
BERCKMANS' GOLDEN ARBORVITAE
OUR SPECIALTY

Sturdy liners, dirt-grown in full sun.
Each, 100 1000
4 to 6 ins., \$0.98 \$9.07 1/2
6 to 8 ins.,11 .10
8 to 10 ins., transplanted,17 .15
10 to 12 ins., transplanted,22 .20
THE BUSH RANCH
140 Woodland Dr. Thomasville, Ga.
James W. Lawson, Mgr. Phone CA 6-4245

KOSTER BLUE SPRUCE

1-yr. grafts, \$1.50.
Fall delivery.
Cash with order.

FOUR STAR NURSERY

8215 238 St., S. W. Edmonds, Wash.

SCOTCH PINE SEEDLINGS 1000

Overstock 100 1000 10,000 lots
3-yr., 6 to 12 ins., \$3.00 \$20.00 \$15.00
4-yr., 8 to 14 ins., 1.50 10.00
VERNON DALE NURSERY
Route 4 Meadville, Pa.

SPECIAL FALL PRICES, 250,000 LINERS

Taxus cuspidata, 1, 2, 3 and 4 yrs.
Taxus hicksii, 1, 2, 3 and 4 yrs.
Taxus browni, 2 and 3 yrs.
Write for price list.
Special prices on lots of 5000.
DRAKE'S NURSERIES
G-4342 Branch Rd. Flint 6, Mich.
FRENCH SCOTCH PINE SEEDLINGS
2-year seedlings, 4 to 8 ins.,
\$12.00 per 1000. Nice, strong stock.
DONALD GENAWAY
St. Regis Falls, N. Y.

SEEDLINGS AND TRANSPLANTS

See our display ad on page 66 of this
issue.

W. S. YOE NURSERIES
Lake St. Madison, O.

Junipers, strong rooted cuttings of many
varieties, rooted in soil since spring 1960.
Please see complete list on pages 74-75.
Templeton, Phytotek, Winchester, Tenn.

Nandinas, nice well-rooted, 18 to 24 ins.,
\$7.50 per 10, \$65.00 per 100. Shipped bare-
root in moss.
Boston Mountain Nursery, Mountainburg, Ark.

EVERGREENS, B&B

B&B EVERGREENS
Abelia grandiflora, 18 to 24 ins., \$1.00
24 to 36 ins., 1.25
English Laurel, 18 to 20 ins., 1.00
20 to 24 ins., 1.25
24 to 36 ins., 1.50
Ilex burfordi, 15 to 18 ins., 1.00
18 to 24 ins., 1.25
Ilex rotundifolia, 15 to 18 ins., 1.50
18 to 24 ins., 1.25
Ilex East Palatka, 30 to 36 ins., 1.50
Ligustrum lucidum, 18 to 24 ins., 1.00
24 to 30 ins., 1.25
30 to 36 ins., 1.50
Nandinas, 18 to 24 ins., 1.00
24 to 30 ins., 1.25
30 to 36 ins., 1.50
Photinia serrulata, 18 to 24 ins., 1.00
24 to 30 ins., 1.25
30 to 36 ins., 1.50
Globe Arborvitae, 10 to 12 ins., 1.00
12 to 14 ins., 1.25
Berckmans' Arborvitae, 15 to 18 ins., 1.00
18 to 24 ins., 1.25
Bonita Arborvitae, 15 to 18 ins., 1.00
18 to 24 ins., 1.25
Baker's Arborvitae, 15 to 18 ins., 1.00
18 to 24 ins., 1.25
24 to 36 ins., 1.50
Pfitzer Juniper, 15 to 18 ins., 1.00
18 to 24 ins., 1.25
24 to 30 ins., 1.50
Juniperus stricta, 15 to 18 ins., 1.00
18 to 24 ins., 1.25
English Juniper, 30 to 36 ins., 1.00
36 to 48 ins., 1.25
Ashford Juniper, 24 to 30 ins., 1.00
30 to 36 ins., 1.25
Retinispora plumosa, 15 to 18 ins., 1.00
18 to 24 ins., 1.25
24 to 36 ins., 1.50
White Dogwood, 3 to 4 ft., 1.25
4 to 5 ft., 1.50
Heavy, well-shaped, field-grown plants.
PROCTOR BROS. NURSERY
Phone UL 8-3478 Parkton, N. C.

SURPLUS SPECIMEN STOCK, B&B
Barberry, julianae, 2 1/2 to 3 ft., \$3.25
Barberry, julianae, 3 to 3 1/2 ft., 3.50
Arborvitae, pyramidal, 5 to 6 ft., 4.00
Arborvitae, pyramidal, 6 to 7 ft., 4.50
Juniper, Irish French, 5 to 6 ft., 2.25
Juniper, Spiny Greek, 3 to 4 ft., 3.50
Juniper, Pfitzer, 4 to 5 ft., 4.50
Euonymus patens, 3 to 3 1/2 ft., 4.00
Euonymus sieboldi, 3 to 3 1/2 ft., 4.00
Boxwood, suffruticosa, 15 to 18 ins., 3.50
Boxwood, suffruticosa, 18 to 24 ins., 4.50
Boxwood, suffruticosa, 24 to 30 ins., 5.50
LAWRENCE SANDERS NURSERY
721 Kentucky Ave. Paducah, Ky.

SURPLUS STOCK
EXCELLENT QUALITY, B&B
10,000 Pfitzer and Hetz glauca Junipers, 18
to 24 ins., \$1.75; 24 to 30 ins., \$2.25.
5,000 Irish Juniper, 2 to 3 ft., \$1.50; 3 to 4
ft., \$2.00.
5,000 Nandinas, 15 to 18 ins., \$1.00; 18 to 24
ins., \$1.25.
Write for our new price list.
ROLLER'S NURSERY, ROGERS, ARK.

NORWAY SPRUCE

Ideal for Christmas trees.
Sheared, heavy trees with good color.
4 to 5 ft., \$3.75 each.
You dig your own trees.

OAK GROVE NURSERY
2121 Phelps St. Ashland, Ky.

ILEX ROTUNDIFOLIA
12 to 15 ins., \$1.40
15 to 18 ins., 1.65

HETZ JUNIPER
15 to 18 ins., \$1.50
18 to 24 ins., 1.75
24 to 30 ins., 2.00

FIKE NURSERIES, HOPKINSVILLE, KY.

EVERGREENS, B&B, GOOD BALL

Well sheared, full, heavy trees, good color.
Colorado Blue Spruce, 2 1/2 to 3 ft., \$3.65
Colorado Blue Spruce, 3 to 4 ft., 4.50
Norway or White Spruce, 2 1/2 to 3 ft., 2.50
Norway or White Spruce, 3 to 4 ft., 3.00
Douglas Fir, 3 to 4 ft., 3.25
White Pine, 3 to 4 ft., (laced ball) 4.50
Austrian Pine, 3 to 4 ft., 2.50
Scotch Pine, 2 to 2 1/2 ft., 3.00
Scotch Pine, 2 1/2 to 3 ft., 3.00
Hemlocks, 2 to 2 1/2 ft., 3.00
W. V. GRIFFIN
8 Elizabeth Ave. East Brunswick, N. J.
N. J. Turnpike, exit 9, Phone CL 7-2484

PFITZER JUNIPER

Attention, Chicago area landscapers!
Quality Pfitzers, 2 ft. to 4 ft. Priced rea-
sonably. Also Yews, Douglas Fir, etc.
THE EVERGREEN NURSERIES
(J. Van Wyngarden)
R. R. 2 Phone Lowell 3514 Hebron, Ind.

EVERGREENS, Miscellaneous

Taxus, Ilex, broad-leaved Evergreens, etc.,
in variety. Write for our latest list of liners
and finished stock.
Del-Mar-Va Nurseries, Box 3, Lincoln, Del.

FOLIAGE PLANTS

BIG-LEAVED PHILODENDRON
TOTEM POLES
Pertusum, 6-in. plastic pot on 24-in. cy-
press slab, 2 plants per pot, \$1.60 each pot.
Hastatum, 6-in. plastic pot on 24-in. cy-
press slab, 2 plants per pot, \$1.60 each pot.
The above 6-in. pots packed 9 per carton.
No packing charge.
BAYWOOD NURSERIES CO., INC.
P. O. Box 24 Plymouth, Fla.

FRUIT AND NUT TREES

EAST MALLING ROOT STOCK
APPLE STOCK
EM type I
EM type II
EM type IV
EM type VII
EM type IX
Alnarp No. 2
PEAR STOCK
EM Quince A.
2000 dwarf root stock
for 5-in-1 trees,
with a grafting size at 3 ft. and up.
Perfectly rooted and graded.
2-yr. transplanted and 1-yr. layers.
Prices on request.
GROOTENDORST NURSERIES
Lakeside, Mich.

DWARF FRUIT TREES

1000 3 and 4-yr.-old Apples, 20 varieties.
You dig, \$1.50 each.

FRED MEYER NURSERY

828 Larkfield Rd.
East Northport, L. I., N. Y.
(South of Jericho turnpike)

PECAN LINERS AND TREES

1-yr., northern field-grown
Pecan seedlings,
\$25.00 per 100, \$200.00 per 1000.
Seedling Pecan trees,
3 to 6 ft., \$2.00 each,
P.O.B.
MORRILL NURSERY
Cunningham, Ky.

PAPER SHELL PECANS

Arp-grown, heavy, clean, grafted trees,
bare or packaged. Posters. Labels. Thomas
Black Walnut, Japanese Persimmon. Beauti-
ful. Permanent shade. Productive, too! De-
liveries with Roses. FRESH.

Box 3338-S ARF NURSERY CO. Tyler, Tex.

PIXWELL GOOSEBERRY

2-yr., No. 1, 25c each.
BERGESON NURSERY, FERTILE, MINN

GERANIUMS

QUALITY GERANIUM CUTTINGS
Unrooted, \$4.50 per 100, \$40.00 per 1000;
rooted, \$8.50 per 100, \$80.00 per 1000. Special
varieties slightly higher. Catalog of
over 150 leading varieties free.
C. SECRIST, MUSCATINE, IA.

GROUND COVERS

GROUND COVERS
Myrtle (Vinca minor) common Periwinkle,
strong 20 to 25-cane clumps, \$50.00 per 1000.
Pachysandra terminalis, 1-yr., rooted,
\$50.00 per 1000.
English Ivy (Hedera helix), 1 to 2-yr.,
rooted cuttings, \$50.00 per 1000.
Hall's Hallians (creeping Honeysuckle),
white to yellow bloom, \$47.50 per 1000; 3
to 5, branched, cut back.
Euonymus coloratus, rooted under mist,
\$57.00 per 1000.
Cinnamon and Christmas Ferns, \$9.00 per 100.
H. C. WAUGH
Upper River Rd. Gallipolis, O.

GROUND COVERS—Continued

PACHYSANDRAS
Strong rooted cuttings, outdoor mist propagated. Prompt shipment. No packing charges.
\$5.50 per 100, \$49.00 per 1000.
EUONYMUS COLORATUS
3-in. peat pot. Plant pot and all.
100 to 300, 15c each;
300 to 1000, 15c each.

SHADE & SUN NURSERY
Route 52 Stormville, N. Y.

Hardy Myrtle (Vince minor), plants with 20 leads or more and good roots, \$5.00 per 100, \$45.00 per 1000. Pachysandras, sand-rooted cuttings, \$40.00 per 1000. English Ivy, sand-rooted cuttings, \$40.00 per 1000. Cash. Also potted stock of all items listed.
Samuel I. Minder, 1248 Wabank Rd., Lancaster, Pa. Phone EX 3-6347.

HARDWOOD CUTTINGS

CUTTING WOOD
Taxus media Sebian
Taxus media hicksii
Taxus cuspidata
Arborvitae, Woodward globe
Arborvitae, pyramidal
Arborvitae, dark green American
2c each.

DUGAN NURSERIES, INC.
Center St. Perry, O.

HARDWOOD YEW CUTTINGS
Unrooted. Hand-trimmed from good stock.
Taxus cuspidata, spd. Taxus brownii
Taxus hicksii Taxus intermedia
Taxus hatfieldi Pfizer Blue Jun., cut.
\$20.00 per 1000. F.O.B. Cash in advance.
Shipped November 15 to January 15. No packing charge.
JOSEPH HOLLER FLORIST & NURSERY
Paris, Ill.

HARDY PLANTS

SPECIAL LIST
FIRST TIME OFFERED
CHOICE HARD-TO-GET PERENNIALS
ALL LANDSCAPING SIZE
Aethionema Warley Rose
Anchusa myosotidiflora
Artemisia Silver Mound
Aster Frikarti
Campanula Wedgewood
Clematis mandchurica
Dianthus spectabilis, 2 to 3, 3 to 5, 5 to 8-eye
Dietamnus frax. albus, 3-eye
Callunas, in variety
Helleborus niger
Heuchera Plais de Feu
Heuchera Rosamundi
Heuchera sanguinea
Iberis, in variety
Liatris, in variety
Lythrum, in variety
Polygonum Reynoutria
Potentilla aurea verna
Pulmonaria angustifolia azurea
Sedums, in variety
Stokesia Blue Danube
Teucrium canadense
Teucrium chamaedrys
Verbascums, in variety
Veronicas, in variety
Quotations available on above in quantity requirements. Send for our catalog listing full line of perennials.
SPRINGBROOK GARDENS, INC.
Heisley Rd. Mentor, O.

HARDY PLANTS
Yours for the ASKING,
1961
JUDSON CATALOG.
Sand-grown perennials, large list of new varieties, plus many other profit-planned items.
Write today.
JUDSON NURSERIES, INC.
Bristol, Ind.

FERNS
Hardy Ferns (Dryopteris arguta), from the foothills of the Cascades. Will grow in any moist, shady location. Dug fresh from November 15 till April 15. 2 to 5-eye divisions, \$22.50 per 100, \$200.00 per 1000. Cash with order, packing free. A good mail order item.
TETTRICK'S MAPLE VALLEY NURSERY
Maple Valley, Wash.

HARDY PLANTS
First quality, 1-yr. plants, all sand-grown, properly spaced in rows for size. Delphinium and Phlox our specialty. Write for complete perennial list today. Order now for fall and spring 1961 shipments.
RICHARDS GARDENS
Box AN Plainwell, Mich.

HARDY PLANTS
Our new fall and spring catalog is ready and is yours FREE. Write for it today. 75 illustrations in full color, showing the many exciting perennials your customers will be asking for.
WALTERS GARDENS
R. R. 2 Zeeland, Mich.

Primroses, hardy, evergreen; mixed colors only, \$12.50 per 100, \$100.00 per 1000.
Mountville Nurseries, Mountville, Ga.

BETTER PERENNIAL PLANTS
with that wonderful root system.
FINEST FIELD GROWN
Over 500 varieties.

WELLER NURSERIES CO., Holland, Mich.

PITZONKA'S FIELD-GROWN PERENNIALS
Write for trade list.
PITZONKA'S PANSY FARM & NURSERY
Bristol, Pa.

America's best source for Hardy Plants is
THE WAYSIDE GARDENS
Mentor, Ohio
Write for Trade List.

MOUNTAIN-GROWN HARDY PERENNIALS
Wholesale offer on request.
AVALON NURSERY GARDENS, Dana, N. C.

Liriope (Ophiopogon), hardy, evergreen, for walks and borders, \$20.00 per 1000.
Mountville Nurseries, Mountville, Ga.

SPECIALISTS IN HARDY PERENNIALS
Ask for wholesale offer.
PEARCE SEED CO., Moorestown, N. J.

HELLEBORUS

HELLEBORUS NIGER
(Christmas Rose)
*Suitable for mail order trade and to pot up for roadside stand sales.
1-yr. sdgls., \$17.50 per 100, \$150.00 per 1000.
*3-yr., T, heavy, blooming size, \$50.00 per 100, \$450.00 per 1000.
QUALITY IS OUR MOTTO. No charge for packing.
C. HOOGENDOORN
408 Turner Rd. Newport, R. I.

HEMEROCALLIS

HEMEROCALLIS
Send for wholesale list.
MIDDLEPEN PLANTATION
Orangeburg, S. C.

HOLLY

HOLLY
English, Silver variegated.
2½-in. pots, 8 ins. tall, 30c; 10 ins. tall, 35c; 12 ins. tall, 40c; 4-in. pots, single stem, 60c; 4-in. well-branched, 75c; 4-in. pots, Osmanthus ilicifolius variegatus, well-branched, 60c.
Ready now. Cash with order, please.
KRUSCHKE GREENHOUSES
Clackamas, Ore.

ILEX OPACA
Named varieties of northern origin, in sizes from 2 ft. to 6 ft., priced according to height and fullness. A few larger sizes. Also crenata rotundifolia, Hetz and convexa.
SIMPSON ORCHARD CO., INC.
1504 Wheatland Rd. Vincennes, Ind.
Phone TU 2-2441

20,000 AMERICAN HOLLY
Good berry-bearing types. Each
SELECT GRADE, 30 to 36 ins., B&B...\$4.00
36 to 42 ins., B&B... 5.00
Row-run and hedging grade. 30 to 60 per cent less.

THEODORE KLEIN NURSERIES
Crestwood, Ky.

ILEX OPACA
SUPERIOR NAME VARIETIES
WHOLESALE SUPPLIERS
OF LINING-OUT STOCK
Write for our price list.
HOLLY HAVEN, INC.
Box 75 New Lisbon, N. J.

Ilex rotundifolia, B&B, 15 ins., \$1.30; 18 ins., \$1.75; 24 ins. high, 18 ins. broad, \$2.25. F.O.B.
Potter Nurseries, Huntington 2, W. Va.

Ilex cornuta and crenata liners.
Please see complete list on pages 74-75.
Templeton, Phytotektor, Winchester, Tenn.

Ilex Foster's hybrid No. 2, liners.
Please see complete list on pages 74-75.
Templeton, Phytotektor, Winchester, Tenn.

HONEYSUCKLES

HONEYSUCKLES
Lonicera japonica halliana, extra-heavy No. 1, 3 and 4-yr., 18 to 24-in. field plants. 3, 4 to 6 leads, \$40.00 per 1000; lighter grade, \$30.00 per 1000; sample, 100, \$4.00.
Experienced labor for grading and packing quantity orders. Immediate shipment. No order too large. Phone OR 2-4612.
ROBINSON NURSERY CO., Greenville, Ga.

Hall's Honeysuckle, good plants, well packed, \$25.00 per 1000.
Mountville Nurseries, Mountville, Ga.

IVIES

BALTIC IVY
Very hardy.
Good ground or wall cover.
Rooted cuttings.
\$7.00 per 100, \$65.00 per 1000.
NEIDEL'S NURSERY
216 Park Ave. Oil City, Pa.

BALTIC IVY
Hardest Ivy. Fine for wall or ground cover. True stock. Well-rooted plants.
Per 100 Per 1000
Rooted cuttings \$ 7.00 \$ 65.00
2-in. pots 12.50 115.00
NEW THORNDALE IVY
2-in. pots \$15.00 \$140.00
Euonymus coloratus, 2-in. pots 12.00 110.00
STRATFORD GARDENS
Russell Breece, M. R. 9 Delaware, O.

LAWN GRASS AND SEED

BLUE GRASS LAWN SEED
Sow and sell this "PURE KY." thoroughbred seed that makes our turf so thick that crab grass gets no footing.
Direct from our farm to you: 10 lbs., \$25.00; 25 lbs., \$12.00; 50 lbs., \$21.50; 100 lbs., \$40.00. All F.O.B. here, subject to change.
WALNUT LAWN FARM
Route 2 Lexington, Ky.

LILACS

LILACS
FRENCH HYBRIDS
A list of 25 fine varieties grown from cuttings which guarantee own-root stock. Sizes available: 2 to 3 ft., 3 to 4 ft. and 4 to 5 ft. Ideal for landscape and retail store trade. Write for list and prices.
THE SIEBENTHALER CO.
3001 Catalpa Dr. Dayton 5, O.

LILIES

Lilium formosanum, Wilson strain, pure white-flowered selections.
Bulb size (circumference) Per 25 Per 100
2 to 3 ins. \$ 3.25 \$10.75
3 to 4 ins. 4.25 15.00
4 to 5 ins. 5.25 18.00
5 to 7 ins. 8.25 29.00
7 to 9 ins. 10.25 36.00
Postpaid with growing suggestions.
Lilyacres, R. 1, Box 19, Fairhope, Ala.

LINING-OUT STOCK

LINING-OUT STOCK
Per 100 Per 1000
Acer platanoides, 2-yr., T, FR. 12 to 18 ins. \$15.00 \$120.00
Azalea mollis, seedlings, mixed, 4 to 6 ins., T, beds 25.00 200.00
Euonymus vegetus, 2-yr., T, FR. 6 to 9 ins. 35.00 300.00
Fagus sylvatica, grafting size, 2-yr., T, FR. 6 to 9 ins. 12.00 100.00
Fagus sylvatica, 4-yr., TT, FR. 12 to 18 ins. 40.00 350.00
Fagus sylvatica, 4-yr., TT, FR. 2 to 3 ft. 50.00 450.00
Ginkgo biloba, 1-yr., seedlings, 4 to 6 ins. 7.50 70.00
Ginkgo biloba, 2-yr., T, FR. 6 to 10 ins. 18.00 170.00
Ilex aquifolium (English Holly), 2-yr., T, beds, 18 to 24 ins., staked 75.00 650.00
Pieris japonica, 1-yr., T, beds 15.00 100.00
Pieris japonica, 2-yr., T, beds 35.00 300.00
Pieris japonica, 3-yr., T, beds 45.00 400.00
Pieris japonica, PINK, 3-yr., T, beds 55.00 500.00
Quercus palustris, 2-yr., T, FR. 12 to 18 ins. 20.00 150.00
Quercus palustris, 3-yr., TT, FR. 3 to 4 ft. 50.00 450.00
Taxus cusp. upright, 2-yr., seedlings (over 5000, \$70.00 per 1000) 10.00 90.00
Taxus cusp. upright, 3-yr., seedlings 15.00 120.00
Taxus cusp. upright, 3-yr., T, beds 20.00 150.00
Taxus cusp. upright, 4-yr., TT, FR. 9 to 12 ins., heavy 40.00 350.00
Taxus densiformis, 2-yr., T, beds 30.00 250.00
Taxus densiformis, 3-yr., T, beds 45.00 400.00
Taxus densiformis, 4-yr., TT, FR. 6 to 9 ins., heavy 60.00 550.00
Taxus densiformis, 5-yr., TT, FR. 9 to 12 ins., heavy 75.00 700.00
Taxus hatfieldi, 2-yr., T, beds 30.00 250.00
Taxus hatfieldi, 3-yr., T, beds 45.00 400.00
Taxus hatfieldi, 4-yr., TT, FR. 6 to 9 ins., heavy 60.00 550.00
Taxus hatfieldi, 5-yr., TT, seedlings, 6 to 12 ins. 10.00 90.00
Tilia cordata, 3-yr., T, FR. 3 to 4 ft. 50.00 450.00
Tilia cordata, 3-yr., T, FR. 2 to 3 ft. 35.00 300.00
Zelkova serrata, 1-yr., seedlings, 9 to 12 ins. 7.50 60.00
Zelkova serrata, 2-yr., seedlings, 12 to 15 ins. 10.00 80.00
Zelkova serrata, 2-yr., T, FR. 15 to 18 ins. 18.00 150.00
(Zelkova, substitute for American Elm, not subject to Dutch elm disease.)
T — once transplanted; TT — twice transplanted; FR — field row.
BOULEVARD NURSERIES, INC.
Newport, R. I.
Phone VI 6-1263

LINING-OUT STOCK

All plants bare-root except where noted. Average Evergreens, 6 to 8 ins. or better. Shrubs, etc., 8 to 10 ins. or better. Best roots in the business. We ship all 12 months. Customers in more than 40 states.

EVERGREENS

Andorra Juniper	.....\$0.05
Armstrong Juniper	.....10
Blue Hetz Juniper	.....65
Burk Juniper (upright tree), no com.	.....12
Compact Pfitzer Juniper	.....98
Hill's Dark Green Am. Arborvitae	.....12
Hillbush Juniper (virginialis)	.....14
Pfitzer Juniper	.....67
Procnubens Juniper	.....10
Rosefield's Montana Green Juniper (scopolorum), No trimming	.....30
Rosefield's Moonglow Juniper (scopolorum), A denser Blue Heaven	.....30
Savin Juniper	.....96
Thomas Blue Creeper	.....10
Taxus cuspidata	.....10
Von Ehron Juniper	.....96
Armstrong Juniper (plant bands)	.....16
Compact Pfitzer Juniper (dwarf Pfitzer, bands)	.....16

DECIDUOUS

Forsythia Arnold's Brilliant	.....96
Forsythia Arnold's Dwarf	.....96
Forsythia Arnold's Giant	.....96
Forsythia Beatrix Farrand	.....95
Forsythia Lynwood Gold	.....94
Forsythia nana compacta	.....94
Forsythia Spring Glory	.....94
Blue Spiraea (Caryopteris)	.....96
Hydrangea P.G.	.....10
Hypericum Hildote	.....95
Hypericum Kalmianum, dwarf, hardy, pretty, should see	.....95
Honeysuckle, Zabel, Bush	.....96
Honeysuckle, heckrotti, Vine, evbl.	.....96
Honeysuckle, Clavey's Dwarf, Bush	.....96
Privet, Golden Vicary, All yellow	.....97
Privet, Lodense	.....94
Privet, Regels	.....94
Spiraea macrothyrs, evbl. pink plumes	.....96
Spiraea Anthony Waterer	.....12
Viburnum op. sterile (Snowball)	.....10
Viburnum tomentosum	.....10
Weigela Vanickei	.....96

BROADLEAFS

Euonymus carrierei	.....94
Euonymus coloratus	.....94
Euonymus patens Flagpole (small leaf)	.....94
patens, large leaf	.....94
patens Newport (medium leaf)	.....94
patens Owen (small leaf)	.....94
radicans erectus (small leaf)	.....94
patens Rosehill (medium leaf)	.....94
radicans, upright (Saxoxie)	.....97
Honeysuckle, Purple Leaf (Texas), Vine, Fine for cans and planters	.....94
Honeysuckle, Gold Net, Vine, Variegated	.....95
Pyracantha Kaskan, a heavy berried	.....95
lalandi, Hardier	.....95
Pyracantha lalandi	.....95
Pyracantha pauciflora, cans and planters	.....95

PERENNIALS

Teucrium chamaedrys	.....94
Less than 300, total order, 2c more per plant. Less than 50 of any item, 4c more per plant.	

McININCH GREENHOUSES
St. Joseph, Mo.

LINING-OUT STOCK

Bedded 2-yr. in open field. Samples sent on request, free of charge, as we are proud of our stock.

TAXUS	Per 1000
andersoni, 8 to 10 ins.	.....\$240.00
browni, 8 to 10 ins.	.....240.00
cuspidata, 8 to 10 ins.	.....200.00
hicksi, 8 to 10 ins.	.....225.00
hunnelliana, 8 to 10 ins.	.....225.00

JUNIPERS	
Andorra, 6 to 8 ins.	.....200.00
Hetz glauca, 8 to 12 ins.	.....200.00
Savin, 8 to 10 ins.	.....225.00
Von Ehron, 8 to 10 ins.	.....225.00

THUJAS	
Am. dark green, 8 to 12 ins.	.....225.00
Pyramidal, 8 to 12 ins.	.....225.00
Woodward globe, 6 to 10 ins.	.....200.00

3-YR. BEDED, 2X, trimmed	
Taxus cuspidata, 10 to 12 ins.	.....350.00
Taxus andersoni, 10 to 12 ins.	.....400.00
Total orders less than 300, add 5c each plant.	

LINCOLN NURSERIES

R. D. 2 Grand Rapids 4, Mich.

LINING-OUT STOCK

SEE OUR DISPLAY AD
IN THIS ISSUE
ON PAGE 18.

CARTWRIGHT NURSERIES

Collierville, Tenn.

SALE, 20 PER CENT OFF
NOW MORE THAN EVER
THINK BEFORE YOU PLANT

Don't skimp on the liner which is the lowest cost of your investment. Buy only top quality in the better varieties. Your letter, phone call or visit will be welcome. Price list of "Finer Liners" cheerfully on request.

JOHN VERMEULEN & SON, INC.
P. O. Box 336A Neshanic Station, N. J.

LINING-OUT STOCK

Bedded 1-yr. in the open	100	1000
Ilex convexa	.....\$20.00	\$180.00
Ilex rotundifolia	.....20.00	180.00
Ilex hetzi	.....20.00	180.00
Juniperus pfitzeriana	.....20.00	180.00
Juniperus hetzi	.....20.00	180.00
Taxus andersoni	.....20.00	175.00
Taxus brevifolia	.....20.00	175.00
Taxus capitata, cutting-grown	.....25.00	225.00
Taxus capitata Adams	.....25.00	225.00
cutting-grown	.....25.00	225.00
Taxus canadensis stricta	.....16.00	150.00
Taxus cuspidata	.....17.50	150.00
Taxus hatfieldi	.....17.50	150.00
Taxus hunnelliana	.....17.50	150.00
Taxus hicksi	.....17.50	150.00
Taxus intermedia	.....17.50	150.00
Taxus henryi	.....20.00	175.00
Taxus densiformis	.....20.00	175.00
Taxus vermeuleni	.....17.50	150.00
Taxus wardi	.....17.50	150.00
Taxus Moon's columnaris	.....17.50	175.00
Taxus browni	.....17.50	150.00

2-yr. bedded in the open		130.00
Ilex convexa, 6 to 9 ins.	.....	\$25.00 \$200.00
Ilex rotundifolia, 6 to 9 ins.	.....	25.00 200.00
Ilex hetzi, 6 to 9 ins.	.....	25.00 200.00
Taxus Adams col., 12 to 15 ins.	.....	50.00 450.00
Taxus Moon's col., 8 to 12 ins.	.....	30.00 250.00
Taxus cuspidata, 6 to 9 ins.	.....	30.00 250.00
Taxus hatfieldi, 6 to 9 ins.	.....	30.00 250.00
Taxus cuspidata comp., 6 to 9 ins.	.....	30.00 250.00
Taxus hunnelliana, 6 to 9 ins.	.....	30.00 250.00
Taxus browni, 6 to 9 ins.	.....	30.00 250.00
Taxus intermedia, 6 to 9 ins.	.....	30.00 250.00

TAXUS CAPITATA, SEEDLING-GROWN

	100	1000	10,000
1-yr. seedlings	.....\$ 6.00	\$ 50.00	\$ 450.00
2-yr. seedlings	.....10.00	90.00	750.00
3-yr. seedlings	.....17.50	150.00	1250.00

CORNUS FLORIDA (WHITE DOGWOOD)

planted, 1 to 10 ins., 30.00	250.00	5250.00
CORNUS FLORIDA (WHITE DOGWOOD)		
Seedlings		
1-yr., No. 1 grade.....	\$ 6.00	\$ 50.00 \$450.00

Special prices on large quantities.
Full list on request.

VERKADE'S NURSERIES, WAYNE, N. J.

EVERGREENS

Each, 25	
Arborvitae, globe,	
2-yr., X	.....\$0.30
Arborvitae, orientalis pyramidalis,	
2-yr., X	.....30
Fir, Douglas,	
5-yr., 9 to 12 ins.	.....30
Juniper, Pfitzer,	
2-yr., X	.....30
Spruce, Colorado Blue,	
6-yr., 12 to 18 ins., X	.....30
Spruce, Norway,	
5-yr., 9 to 12 ins., X	.....30
6-yr., 12 to 24 ins., X	.....40
Taxus browni,	
3-yr., X	.....45
Taxus capitata	
7-yr., 12 to 24 ins., fld., XX	.....1.50
Taxus cuspidata expansa,	
3-yr., X	.....40
4-yr., X	.....50
7-yr., fld., XX	.....1.25
Taxus hicksi,	
3-yr., X	.....45
Taxus hunnelliana,	
3-yr., X	.....45

BROAD-LEAVED EVERGREEN LINERS

Euonymus, Flagpole,	
3-yr., XX	.....\$0.40
Euonymus radicans erectus,	
3-yr., XX	.....40

SHRUB LINERS

Cornus, Kelsey dwarf,	
2-yr., X	.....\$0.25
Cotoneaster apiculata,	
2-yr., X	.....40
Euonymus, Europ. Aldenhamensis,	
2-yr., X	.....25
Mock Orange, virginialis,	
1-yr., heavy	.....99
2-yr., fld., X	.....20
Spiraea froebeli,	
1-yr., heavy	.....99
2-yr., fld., X	.....20

THE HOME NURSERY

C. S. Ingels & Sons
On Route 17 La Fayette, Ill. In Stark County
Phone 12R2

HEAVY 3-YR. TRANSPLANTS.

SHEARED	
Taxus browni, 10 to 12 ins.	
Taxus cuspidata, 10 to 12 ins.	
Taxus densiformis, 10 to 12 ins.	
Taxus Halloran, 10 to 12 ins.	
Taxus henryi, 10 to 12 ins.	
Taxus hicksi, 10 to 12 ins.	
Taxus Moon's columnaris, 10 to 12 ins.	
Taxus Seban intermedia, 10 to 12 ins.	
Taxus hunnelliana, 10 to 12 ins.	
Taxus thayerae, 10 to 12 ins.	
Taxus wardi, 10 to 12 ins.	
Taxus capitata, 3-yr. seedlings, 6 to 9 ins.	
Thuja occidentalis, 3-yr. transp., 8 to 10 ins., heavy	
Picea excelsa, selected understocks, transp.	

Samples upon receipt of postage.

VERKADE'S NURSERIES
New London, Conn.

LINING-OUT STOCK

EACH, 100	1000
Acer palmatum atropurpureum	
BLOODGOOD, strong 2-yr.	
grafts	.....\$1.75
OSSI BENI, strong 2-yr.	
grafts	.....1.50
Cedrus atlantica glauca,	
1-yr. grafts	.....1.00
Cornus elegantissima, 2-yr.	.....25
Florida rubra, 2-yr. grafts	.....50 \$0.75
Cotoneaster praecox, 2-yr.,	
T. 6 to 12 ins.	.....50 .45
Euonymus alatus compactus,	
2-yr., T. 9 to 12 ins.	.....30 .25
3-yr., T. 12 to 18 ins., branched,	
suitable for mail order.	.....45 .40
Euonymus vegetus, strong	
2-yr., T.	.....30 .25
Fagus sylvatica apulenifolia,	
2-yr. grafts	.....2.00
bicolor, 2-yr. grafts	.....2.00
pendula, 2-yr. grafts	.....1.75
reversi, 2-yr. grafts	.....1.75
Laburnum vossii, 1-yr. seedlings.	.....15 .12½
Magnolia soulangeana,	
1-yr., T. cuttings	.....50 .45
2-yr., T. cuttings	.....75 .50
Picea pungens glauca, 4-yr., T.	.....25 .20
Rhododendron wilsoni, 2-yr., T.	.....1.25 1.00
Rhus cotinus ROYAL PURPLE,	
1-yr. grafts, bedded	.....75 .60
Thuja nigra, 2-yr., T.	.....40 .35
orientalis aurea nana, strong	
2-yr., T. cuttings	.....50 .45
Viburnum setigerum (for shel-	
ferum), 2-yr. seedlings,	
18 to 24 ins.	.....18 .15
wrighti, 2-yr. seedlings,	
15 to 18 ins.	.....15 .12
Weigela vanickei, 1-yr., SW,	
cuttings	.....25 .20

QUALITY is our motto. No charge for packing.

C. HOOGENDOORN

408 Turner Rd. Newport, R. I.

POT-GROWN GRAFTS

All our understocks are potted up during the spring, grown in frames in pots all summer and grafted the following winter, ensuring the best root system to be grown and assures minimum losses.

Per 100	
*Acer palmatum atropurpureum	.....\$ 75.00
*Carpinus betulus fastigiata	.....60.00
Cedrus atlantica glauca	.....75.00
*Cedrus atlantica aurea	.....75.00
*Cornus florida rubra	.....50.00
*Cornus florida rubra Prosser	.....65.00
*Cornus florida pendula	.....60.00
*Cornus florida flore-plena	.....60.00
*Cornus florida welchii var.	.....65.00
*Cornus kousa chinensis	.....60.00
*Cornus kousa speciosa	.....60.00
*Hamamelis mollis	.....50.00
*Hamamelis brevipedata	.....100.00
Fagus sylvatica Tricolor	.....75.00
*Fagus sylvatica reversi	.....60.00
*Fagus sylvatica pendula	.....60.00
*Fagus sylvatica heterophylla	.....60.00
*Fagus sylvatica fastigiata	.....60.00
*Magnolia stellata	.....75.00
*Magnolia stellata rubra	.....75.00
*Magnolia stellata Water Lily	.....75.00
Magnolia yulan	.....75.00
Magnolia cordata (yellow)	.....75.00
Picea pung. glauca moerheimii	.....100.00
Pinus cembra	.....60.00
Pine, Tanyosho	.....60.00
*Viburnum carlesi	.....50.00
Viburnum juddi	.....50.00
Viburnum burkwoodi	.....50.00
Viburnum chenaulti	.....50.00

Varieties marked with a star can be supplied in 1-yr. field-grown bedded plants, at \$15.00 per 100 extra above the pot-grown grafts.

VERKADE'S NURSERIES, WAYNE, N. J.

ROOTED CUTTINGS

ROOTED CUTTINGS	
Berckmans' Arborv.	Chamaecyparis allumi
Spiny Greek Juniper	Blue Lawson
Retinispora crispal	Retinispora ericoides
Baker's Arborvitae	Podocarpus
Globe Arborvitae	Green Pittosporum
Pfitzer Juniper	Ilex East Palatka
Ilex burfordi	Photinia serrulata
Ilex bullata	Photinia glabra
Hetz Juniper	
	10 100 1000
3 to 5 ins., rooted cuttings.	\$1.00 \$6.00 \$50.00
Pfitzer Juniper	Photinia glabra
Var. Pittosporum	
	10 100 1000

FLOWERWOOD NURSERY

P. O. Box 206 Cairo, Ga.

LINING-OUT STOCK—Continued

LINING-OUT STOCK

For immediate delivery or for reservation. All plants from 2½-in. pots, grown in open beds, under field conditions and ready for field planting.

	Each	lots
Ilex opaca (American Holly), 8 to 10 ins.	.....\$0.15	\$0.12
Ilex cren. rotundifolia, 10 to 12 ins.	.....12	10
Ilex cren. rotundifolia, 8 to 10 ins.	.....10	.08
Ilex cren. bullata convexa, 6 to 8 ins.	.....12	10
Ilex opaca howardi, 6 to 8 ins.	.....14	12
Buxus harlandi, 4 to 6 ins.	.....10	.08
Buxus japonica, 4 to 6 ins.	.....10	.08
Ilex cren. microphylla, 4 to 6 ins.	.....12	10
Mahonia bealei, 10 to 12 ins.	.....14	12
Weeping Privet, 10 to 12 ins.	.....12	10
Euonymus radicans, 8 to 10 ins.	.....08	.06

Our stock guaranteed 100 per cent satisfactory or return for full refund.

TERMS: Packing without cost. 25 per cent with order, balance C.O.D. Minimum 50 of a kind, please.

EVERGREEN NURSERIES
Poplar Pike,
Germantown, Tenn.

LINING-OUT STOCK

	500	1000
Pieris japonica, 2-yr., T. bed	.....\$0.25	\$0.20
Pieris japonica, 4-yr., TT. bed	.....50	.45
Taxus densiformis, 2-yr., T. bed	.....30	.25
hathfieldi, 2-yr., T. bed	.....30	.25
hicksi, 2-yr., T. bed	.....30	.25
thayerae, 2-yr., T. bed	.....30	.25
Cornus florida rubra, 2-yr., 3 ft., graft, bed	.....1.50	...
florida, 3-yr., T. bed, 3 to 4 ft., br.	.....90	.75
Mountain Andromeda (Pieris floribunda), 2-yr., T. bed	.....30	.25
Sorbus aucuparia, seedlings	.....10	.05
Rhododendron Hybrid, 3-yr., T. bed, 25c to 50c, depending on size and branches.	.....25c	...

FINISHED STOCK

	10	100
Andromeda, 12 to 15 ins.	.....\$1.50	\$1.25
Cornus florida rubra, 5 to 6 ft.	.....5.00	4.00
6 to 7 ft.	.....6.00	5.00
Weeping Golden Willow, 4 to 5 ft., br.	.....50c	B&B, 85c; 5 to 6 ft., br. 75c; B&B, \$1.25.

SOWAMS NURSERY
82 Sowams Rd., Barrington, R. I.

HEAVY BEDDED LINERS

	Each
Azalea mollis	.....\$0.25
1-yr., TT	.....35
2-yr., TT	.....75
3-yr., 12 to 15 ins., potting grade	.....45
Leucothoe catesbaei	.....45
7 to 12 ins.	.....45
Pieris floribunda	.....45
6 to 9 ins.	.....45
Pieris japonica	.....45
6 to 9 ins.	.....45
9 to 15 ins., potting grade	.....75
Rhododendron hybrid seedlings	.....75
12 to 15 ins.	.....90
Taxus hicksi	.....90
12 to 15 ins., 5-yr., field-grown potters, br.	.....90

DUGAN NURSERIES, INC., Perry, O.

LINING-OUT STOCK

100,000 Ilex burfordi, rooted cuttings	.....4c
100,000 Ilex rotundifolia, rooted cuttings	.....4c
100,000 Ligustrum lucidum, rooted cuttings	.....2½c
100,000 Pfitzer Juniper, rooted cuttings, 4 to 6 ins.	.....6c
25,000 Pfitzer Juniper, 2-yr., field, 10 to 12 ins.	.....16c
25,000 Abelia grandiflora, 1-yr., field, 600 lbs. Nandina seed, \$1.00 per lb.	.....5c

Will have other plants later on. These plants are grown in outside beds in deep sand and peat. Heavily rooted. Hardened by direct sun. \$1.00 will bring you a liberal sample of any one variety. Try it once!

E. F. DuBOISE NURSERY
Huntsville, Ala.

HEAVY LINERS FROM FIELD BEDS

	Per 100
Taxus hicksi, 2-yr., 8 to 12 ins., T.	.....\$30.00
Taxus cuspidata, 2-yr., 8 to 12 ins., T.	.....30.00
Taxus capitata, 2-yr., 8 to 12 ins., T.	.....32.00
Taxus browni, 2-yr., 8 to 12 ins., T.	.....35.00
Taxus Vermeulen, 2-yr., 8 to 12 ins., T.	.....30.00
Taxus andersoni, 2-yr., 8 to 12 ins., T.	.....32.00
The above varieties in 3-yr., TT.	.....45.00
The above varieties in 4-yr., TTT.	.....50.00
The above varieties in 5-yr., TTT.	.....65.00

STROHL'S NURSERY
5204 St. Joe Rd., Fort Wayne, Ind.

SALE, 20 PER CENT OFF

RHODODENDRONS AND AZALEAS
SEEDLINGS AND TRANSPLANTS
Hardy species and hybrids. Send for special list. Shipped now or later.

JOHN VERMEULEN & SON
P. O. Box 336A, Neshaun Station, N. J.

Mahonia bealei, strong 1-yr. seedlings. Please see complete list on pages 74-75. Templeton, Phytotektor, Winchester, Tenn.

LINERS OF THE BETTER KINDS
Novelties and rare items.
Write for price list.
GULF STREAM NURSERY, INC.
Wachapreague, Va.

MAGNOLIAS

MAGNOLIA GRANDIFLORA

	2½-in. pots.
8 to 10 ins.	.....12c
10 to 16 ins.	.....16c
16 to 20 ins.	.....18c
	Qt. cans.
12 to 16 ins.	.....20c
20 to 30 ins.	.....25c
30 to 36 ins.	.....30c
	B&B stock.
2 to 3 ft.	.....\$1.50
3 to 4 ft.	.....2.00
4 to 5 ft.	.....3.00
5 to 6 ft.	.....4.00
6 to 7 ft.	.....5.25
7 to 8 ft.	.....6.75

The above liners were grown in the open and are hardy. The B&B stock will be wrapped in rot-proof burlap and string if so desired. Plants root pruned.

BIG RIVER NURSERY, DUNDEE, MISS.
Phone 572-R4, Tunica, Miss.

Watch Your Results From
American Nurseryman Classified Ads.

MAPLES

JAPANESE RED MAPLES
(Acer palmatum atropurpureum)
Carefully selected. Finest red only.
For fall 1960 and spring 1961.

2-yr. transplants ready for field planting.

	Each	100 more
2-yr., light branched, 8 to 10 ins.	.....\$0.33	\$0.30
2-yr., light branched, 10 to 12 ins.	.....38	35
2-yr., light branched, 12 to 15 ins.	.....45	42

HEAVY GRADE

2-yr., nicely branched, 8 to 10 ins.	.....40	38
2-yr., nicely branched, 10 to 12 ins.	.....48	45
2-yr., nicely branched, 12 to 15 ins.	.....55	50

Large enough for 6-in. pot for immediate resale. From well-spaced open beds. Extra nice.

3-yr., well-branched, 12 to 15 ins.	.....\$0.80	\$0.75
3-yr., well-branched, 15 to 18 ins.	.....95	90
3-yr., well-branched, 18 to 21 ins.	.....1.15	1.10
4-yr., well-branched, 18 to 21 ins.	.....1.60	1.50

Extra heavy from field rows

4-yr., bushy, 10 to 15 ins.	.....1.10	1.05
5-yr., bushy, 12 to 15 ins.	.....1.40	1.30
5-yr., very bushy, No shipping (B&B)	.....2.00	...
5-yr., B&B, 12 to 15 ins.	.....2.50	...

Shipped dormant. Packed in sphagnum.

Late fall or early spring.

Balance before delivery or C.O.D.

HUBBS NURSERIES
512 Route 130, Riverton, N. J.

Specializing in Jap. Red Maples 15 years.

NORWAY MAPLE

Straight trunks. Fine heads. Very fibrous roots.

6 to 8 ft.	.....10-49	50-250
8 to 10 ft.	.....\$3.00	\$2.50
10 to 11 ft.	.....4.05	3.25
11 to 12 ft.	.....5.30	4.25
12 to 13 ft.	.....7.00	5.50
13 to 14 ft.	.....8.00	6.50

PRINCETON NURSERIES
Princeton, N. J.

MAPLES

COLLECTED ACER

RUBRUM AND SACCHARUM

from whips to 4-in. caliper.

CURTIS NURSERIES, INC.

Callicoon, N. Y.

For \$4.00

you can offer that surplus in a classified ad of 10 lines on these pages—quickly and easily turning stock into cash.

At 40c PER LINE

you can keep a list of specialty items before trade buyers through the selling season at small cost.

Send your copy (count 6 average words to line) for the December 15 issue to reach us November 25.

Forms for the January 1 issue will close December 9.

AMERICAN NURSERYMAN
343 S. Dearborn St. CHICAGO 4, ILL.

AMERICAN NURSERYMAN

PACHYSANDRAS

800,000 PACHYSANDRAS

Hand-selected, field-grown cuttings, \$35.00 per 1000.

Free packing, check with order.

MARTIN VIETTE NURSERIES
Route 25-A, East Norwich, L. I., N. Y.
Phones, Wells 1-2372 or FErshing 1-6255

STRONG ROOTED CUTTINGS

Ready now for fall delivery.

\$38.00 per 1000.

\$35.00 per 1000 for lots of 5000 or more.

Check with order.

Prompt shipment.

TOWN & COUNTRY NURSERY
4202 Fordleigh Rd., Baltimore 15, Md.

PACHYSANDRA TERMINALIS

1-yr., field-grown Per 100 Per 1000
3000 or more plants \$ 5.00 \$ 45.00

2½-in., pot-grown 11.50 105.00

HANSEN BROS. NURSERIES, INC.,
Narberth, Pa.

PACHYSANDRAS

1-yr.-old, frame-grown, well-rooted cuttings, \$5.50 per 100, \$43.00 per 1000; \$40.00 per 1000 for 5000 or more. Order now for immediate delivery.

RUSSELL GUTHRIE
123 Franklin St., Tarrytown, N. Y.

Pachysandras, strong plants, grown in soil frames with light shade. First-class stock, \$6.50 per 100, \$53.00 per 1000; \$50.00 per 1000 for 5000 or more, including good packing.

Peekskill Nursery, Shrub Oak, N. Y.

PACHYSANDRAS

Strong rooted cuttings, \$4.25 per 100, \$40.00 per 1000. No C.O.D.

DUNWOODIE NURSERIES
6 Smart Ave., Yonkers, N. Y.

PACHYSANDRA TERMINALIS

1-yr., field-grown, \$60.00 per 1000.

HILLCREST GREENHOUSES
Miller Park, Franklin, Pa.

PEONIES

PEONIES

Adolphe Rousseau, Baroness Schroeder, Duchesse de Nemours, Festiva Maxima, Sarah Bernhardt, Lady Alex, Duff, Marie Lemoine, Mons. Jules Elie, Reine Hortense.

3-yr.-old, whole clumps, not divided, 6 eyes and up, \$75.00 per 100, \$700.00 per 1000; divisions, 3 to 5 eyes, \$40.00 per 100, \$350.00 per 1000.

VERKADE'S NURSERIES, WAYNE, N. J.

PHLOX

PHLOX SUBULATA

(Creeping Phlox)

Admiration, cameo-pink with white eye

Alba, an excellent pure white

Astro, deep orchid-rose

Atropurpurea, rich wine-red

Blue Hills, attractive medium blue

Butterfly, lilac bluish, showy purple eye

Crimson Beauty, brilliant cyclamen-red

Dixie Brilliant, large red, slow grower

Red Wing, finest large flowering red

Sensation, bright pink with red eye

White Delight, white flowers

Transplants, \$9.50 per 100, \$90.00 per 1000.

Liners, \$5.00 per 100, \$45.00 per 1000.

Prices are prepaid, we pay transportation.

Terms: Cash with order.

TANGLEWOOD FARM
P. O. Box 336-N, Phone 1060 Clinton, S. C.

CREeping PHLOX (SUBULATA)

and TALL HARDY PHLOX

Well-developed, field-grown, best varieties.

Also 500 other popular perennials.

Available any time

for your best use and profit.

Direct from the field for fall, or from cold storage for winter and early spring.

ORDER EARLY

WELLER NURSERIES CO.

P. O. Box 1111, Holland, Mich.

PHLOX SUBULATA

Our field-grown creeping Phlox have proved to be money-makers for thousands of happy customers throughout the nation. 20 varieties available, at \$14.00 per 100. 250 or more of 1 variety at 12c per plant. Write for our new colorful wholesale catalog today.

WALTERS GARDENS

R. R. 2, Zeeland, Mich.

PHLOX, UPRIGHT AND SUBULATA

Excellent plants for fall and spring 1961.

32 varieties of upright Phlox and 9 varieties of subulata Phlox. All sand-grown.

Write now for list.

RICHARDS GARDENS

Box AN, Plainwell, Mich.

PIERIS

ANDROMEDA
(Pieris japonica)

One of the most beautiful broad-leaved
Evergreens.

	Per 100	Per 1000
1 to 2 ins.	\$ 6.00	\$ 50.00
2 to 3 ins.	8.00	75.00
4 to 6 ins.	15.00	140.00
6 to 8 ins.	20.00	190.00

300 at 1000 rate. Shipped prepaid to your
nursery.

PLANE VIEW NURSERY

1355 W. Main Rd., Rt. 114 Newport, R. I.

PRIVET

Thousands of Amur River North Privet.

	Per 100	Per 1000
18 to 24 ins.	\$3.00	\$25.00
2 to 3 ft.	4.00	30.00
3 to 4 ft.	5.00	40.00

Immediate shipment. Satisfaction guaran-
teed. Robinson Nursery Co., Greenville, Ga.

RHODODENDRONS

For immediate shipment. Unnamed hybrids
of hardy ponticum-catawbiense parentage.
Good foliage. For growing on or over-counter
sales with firm lightweight ball. Bed-grown,
XXX transplanted.

4 to 6 ins.	25c each
6 to 8 ins.	30c each
8 to 12 ins.	35c each

50 plants per crate. Order by crate only.

ALL OFFERS CASH WITH ORDER.

Expert lightweight crating free.

State shipping method desired.

RICHARD P. RESSEL NURSERY

Mulino, Ore.

HYBRID RHODODENDRONS

Excellent quality,

for landscaping and garden centers.

PARMENTIER'S ROSES

Bayport, L. L. N. Y.

Phone Bayport 8-0811.

RHODODENDRONS

Hardy, hybrid seedlings, liners.

Write for prices and sizes.

THE LEVICK NURSERY CO.

R. F. D. 3 Bridgeton, N. J.

RHODODENDRON MAXIMUM

Nursery-grown and collected, 2 to 7 ft.

high. Well-shaped and symmetrical plants.

CURTIS NURSERIES, INC.

Callicoon, N. Y.

Highway forces us to move 300,000 Rhodo-

dendron plants. Must be sold. Half price or

your offer. Kordus Nursery, Deer Park Ave.,

R. D. 4, Huntington, N. Y.

ROSEBUSHES

EVERBLOOMING MINIATURE ROSES

World's largest selection, over 60 varieties.

"Money-makers." See them or write for list.

We ship branched own-root, 2 1/2-in. pot size.

*Recommended for forcing Per 10 Per 100

*RED, Spring Hill's choice.....\$4.00 \$35.00

*CUPIDO, nearly black-crimson..... 4.50 40.00

*MIDGET (pat. 446), fine rose-red 4.50 40.00

*MONS PETIT, cherry..... 4.50 40.00

*OAKINGTON RUBY, favorited 4.50 40.00

*PRINCE CHARMING, crimson..... 5.00 45.00

*PINK, Spring Hill's choice..... 4.00 35.00

*BABY BUNTING, cameo-pink..... 5.00 45.00

*POM. DE PARIS, tiny dbl. pink 4.50 40.00

*ROULETTI, pink Swiss Alpine..... 4.50 40.00

*SIMPLE SIMON, new salmon-pk. 6.00 55.00

*WHITE, Spring Hill's choice..... 4.00 35.00

*PIXIE (pat. 408), tiny dbl. white 4.50 40.00

*WHITE FAIRY, best for forcing 4.50 40.00

*PRESUMIDA, orange bicolor..... 4.50 40.00

*BABY GOLD STAR (pat. 407)..... 6.00 55.00

*BIGGER FLOWERING MINIATURES

*CAROLYN, sunset orange red.....\$5.50 \$50.00

*CRI-CRI, imported orange..... 6.00 55.00

*GRANADINA, imported crimson 5.50 50.00

*JACKIE, golden yellow to cream 4.50 40.00

*JULIETTE, vivid crimson..... 4.50 40.00

*PINK FAIRY, lovely soft pink..... 4.50 40.00

*POLKA DOT, finest pure white..... 4.50 40.00

*SPRING SONG, rich rose-pink..... 5.00 45.00

*THE MARR, terra-cotta red..... 5.00 45.00

SPRING HILL NURSERIES CO.

300 acres of nursery stock. Visit us! Write!

Dept. AN-F-60 F.O.B. Tipp City, O.

ROSEBUSHES

We grow our own Rosebushes and have

over 120 varieties (patent and standard, OLD

and NEW) to choose from. Our Rosebushes

are grown 2 yrs. in the field under the expert

supervision of one of the world's leading

plant pathologists, using the Manzate-Triton

method of disease control. Our Rosebushes

are clean, healthy and just bursting with

energy. Bare-root BULK Roses are packed

FRIB in corrugated Poly-lined boxes. Please

write, wire or telephone for our new variety

and price lists.

MARTIN'S ROSE NURSERY

P. O. Box 155 Phone UL 9-2191 Arp, Tex.

TREE ROSES

Select No. 1 grade standards. Varieties in-
clude current A. A. R. S. winners Duet and
Pink Parfait, also Chrysler Imperial, Garden
Party, Kordes Perfecta, Lavender Girl, Pink
Peace, Sterling Silver as well as latest intro-
duction Suspense and many others.

Our bush Rose crop is finest in a decade.

We offer only quality stock at competitive

prices. Write for complete list, then

Buy the best—Buy Klyn's.

GERARD K. KLYN, INC.

In the heart of famous Lake County

Mentor, O.

THE SEASON'S BEST DEAL

See for yourself

by

sending for our 1960-61 trade list.

WE STILL OFFER YOU A CHOICE OF

BARE-ROOT AND PREPACKAGED,

PATENT AND STANDARD ROSES.

NEW LONDON ROSES

"The Rose Nursery"

P. O. Box 876 Overton, Tex.

ROSES

Profit-wise nurseries, garden centers and

mail-order firms depend on ARP ROSES.

Glittering packs to display. Bare-root for

container or landscape. All-America Selec-

tions. Catalog and wholesale price list.

ARP NURSERY CO.

Box 3338-A Tyler, Tex.

NEW INTRODUCTION IN

PACKAGED ROSES

SEE OUR DISPLAY AD IN

THIS ISSUE ON PAGE 78

L. C. HOUSE & SONS NURSERIES

Department 24 Tyler, Tex.

Phone LY 2-2671

Rosebushes, 130 varieties. Old and new fa-

vorites. Many of the hybrid tea varieties were

3 to 4 ft. tall August 9 when this ad was

sent in. Foliage of these Roses will

please your customers. Send for our list be-

fore you buy.

P. O. Tate Nursery, R. 3, Tyler, Tex.

ROSE STOCK

MULTIFLORA ROSE

Top quality plants for living fences and

conservation plantings.

Root-crown

caliper

height

Per 1000

2 to 3 mm. 8 to 15 ins. \$12.50

3 to 5 mm. 12 to 18 ins. 17.50

3 to 8 mm. 12 to 24 ins. 22.50

5 to 12 mm. 12 to 36 ins. 38.50

UNDERSTOCK. Straight shanked seed-

lings grown especially for understock. Nema-

tode free. Expertly graded to suit the most

particular.

4 to 6 mm. \$27.50 per 1000

2 to 4 mm. 17.50 per 1000

The above prices are F.O.B. Griggsville,

Ill. nursery. All tops cut back to 10 ins. at

shipping unless otherwise requested. Our

storage facilities are the best. ORDER NOW

for fall or spring delivery. 10 per cent dis-

count in lots of 10,000 or over; special quo-

tations on larger quantities. For less than 1000

add 30 per cent. Packing at cost.

FARM LANDSCAPE CO.

Route 3 Urbana, Ill.

MULTIFLORA ROSE

For living fence, conservation and budding

understock. Hardy northern-grown plants,

nematode-free. Our sandy loam produces the

finest root system. Our high quality is well

known.

Caliper and approximate height Per 1000

2 to 3 mm. 8 to 15 ins. \$12.50

3 to 5 mm. 12 to 18 ins. 17.50

3 to 8 mm. 15 to 24 ins. 22.50

4 to 6 mm. budding understock..... 27.50

Ask for quantity prices. We cut the tops

back to about 10 ins. for shipping, unless

you state otherwise. Prices are F.O.B. Glen

Head. Packing at cost. For less than 1000,

add 30 per cent.

BROOKVILLE NURSERIES

Box 53, Northern Blvd., Glen Head, L. I., N. Y.

THORNY ROSA MULTIFLORA

We have a good supply for fall and spring.

2 to 3 mm. \$11.00 per 1000

3 to 6 mm. 16.00 per 1000

6 to 12 mm. 30.00 per 1000

No packing charge. F.O.B. Mt. Vernon, Ill.

Write for quotations on larger amounts.

MESTEL NURSERY

Route 5 Mt. Vernon, Ill.

Start Your Offer Now

in the American Nurseryman

And Watch Sales Climb

SEEDS

PEACH SEED

VIRGINIA CANNERY, properly cured.

Per bu.

1 to 5 bu. \$3.75

5 to 15 bu. 3.60

15 to 30 bu. 3.45

30 bu. or more..... 3.30

Ask for complete wholesale price list on

nursery stock.

WAYNESBORO NURSERIES

Waynesboro, Va.

BELVOIR TRUE DWARF PEACH

(Selected strain of Flory Peach.)

Grows true from seed to 5 ft.

Double red flowers, white freestone fruit.

1960 crop. Hardy in U. S.

25 seeds, \$6.00; 100 seeds, \$15.00; 250 seeds,

\$30.00; 1000 seeds, \$100.00.

Postpaid in U. S. and Canada. No C.O.D.

JOSEPH GRIMSBAW

36900 Mission Blvd. Niles, Calif.

ORDER YOUR GREEN-LEAVED JAPANESE

BARBERRY HEDGE SEED NOW

Clean seed free from pulp, \$5.00 per lb.

F.O.B. Butler, Pa.

U. S. Dept. of Agriculture certification.

C. F. WESTERMAN NURSERY

39 Graham Terrace Butler, Pa.

New crop Green Ash seed, 1 to 10 lbs. 80c

per lb.; 10 to 30 lbs. 60c per lb.; over 30

lbs. 55c. Immediate delivery. Chinese Elm

seed, May delivery, 1 to 5 lbs. \$1.40; 5 to 30

lbs. \$1.25; over 30 lbs. \$1.10 per lb.

McCane Nurseries, R. 3, North Platte, Neb.

CONCOLOR FIR

Premium grade Colo. seed.

Write for prices and sample.

SAN ISABEL SEED CO.

Silver Cliff, Colo.

SHRUBS AND TREES

ATTENTION, LANDSCAPERS!

SPECIMEN

TREES AND SHRUBS

14 Sunburst Locust, 1 1/2 to 2 ins.,

B&B.....\$17.50

30 Halesia carolina, 8 to 10 ft. B&B,

assorted tree and shrub form... 12.50

10 Mountain Ash, 2 1/2 to 3 ins. B&B,

6 Paul's Scarlet Thorn, 2 1/2 to 3 ins.,

B&B..... 25.00

10 Malus prunifolia zanthocarpum,

1 1/2 to 2-in. cal. B&B, 10 ft. 14.50

10 Malus evelyn, 2 1/2 to 3-in. cal. 16.50

10 Malus Red Silver, 2 1/2 to 3 ins. 16.50

5 Malus zumi, 4-in. cal. B&B..... 35.00

10 Malus Hopsa, 1 1/2-in. cal. 8 to 10 ft.,

B&B..... 9.50

10 Malus adstringens, 2-in. cal. B&B, 12.50

20 Acer ginnala, 6 to 8 ft. B&B,

SHRUBS AND TREES—Continued

SHADE TREES		Each, 10
Birch, Cutleaf, white	2 ins., B&B	\$12.50
	2 1/2 ins., B&B	16.00
Chestnut, Chinese	1 1/2 ins.	4.75
Ginkgo	8 to 10 ft.	6.75
Hackberry, common	8 to 10 ft.	2.50
	1 1/2 ins.	4.25
Honey Locust, thornless	8 to 10 ft.	2.50
	1 1/2 ins.	4.00
	1 3/4 ins.	5.75
	1 1/2 ins.	7.50
Linden, American	2 ins., B&B	13.00
	2 1/2 ins., B&B	18.00
Maple, Norway	2 ins.	7.00
	2 1/2 ins., B&B	20.00
Maple, Norway, columnare	1 1/2 ins.	5.50
	1 3/4 ins.	6.50
Maple, Crimson King	1 1/4 ins.	8.00
	1 1/2 ins., B&B	19.50
Maple, Variegated Norway	1 1/4 ins.	5.00
Maple, Red	2 ins., B&B	15.50
	2 1/2 ins., B&B	22.00
Maple, Sugar	6 to 8 ft.	2.50
	8 to 10 ft.	3.00
	1 1/4 ins.	4.00
	1 1/2 ins.	6.00
Phellodendrons	1 1/2 ins.	5.25
	2 ins., B&B	14.00
Sophora (Pagoda Tree)	3 to 4 ft., B&B	5.00
Sycamores	3 ins., B&B	25.00
Tulip Tree	1 1/2 ins., B&B	10.00
	2 ins., B&B	14.00
	2 1/2 ins., B&B	19.00
Yellowwood, American	6 to 8 ft., B&B	10.00
PERENNIALS		\$0.40
EVERGREENS		
Fir, Douglas	18 to 24 ins., B&B	\$2.75
Juniper, Irish	3 to 3 1/2 ft.	2.75
Juniper, Pfitzer	15 to 18 ins., B&B	2.25
	18 to 24 ins., B&B	2.75
Pine, Austrian (nigra)	18 to 24 ins., B&B	2.75
	24 to 30 ins., B&B	3.25
Pine, Red (resinosa)	24 to 30 ins., B&B	3.00
Pine, Scotch	4 to 4 1/2 ft., B&B	5.75
Pine, White	8 to 3 1/2 ft., B&B	3.75
	3 1/2 to 4 ft., B&B	4.50
Spruce, Colorado	18 to 24 ins., B&B	2.75
Spruce, Norway	18 to 24 ins., B&B	2.25
Taxus capitata	12 to 18 ins.	1.25
Taxus cuspidata	12 to 15 ins., B&B	2.75
Thuja, globe	15 to 18 ins., B&B	2.50
Thuja nigra	18 to 24 ins., B&B	2.25
Thuja, pyramidal	18 to 24 ins., B&B	2.00
SHRUBS		
Barberry, Mentor	15 to 18 ins.	\$0.45
Cotoneaster apiculata	15 to 18 ins., B&B	2.10
	2 to 3 ft., B&B	1.25
	3 to 4 ft., B&B	2.00
	4 to 4 ft., heavy, B&B	3.00
Dogwood, Redtwig (baileyi)	3 to 4 ft.	.55
	18 to 24 ins.	.50
Forsythia Arnold's Dwarf	18 to 24 ins.	.35
	24 to 30 ins.	.45
Honeysuckle, Winter	3 to 4 ft.	.50
Honeysuckle, zabeli	4 to 5 ft.	.60
	5 to 6 ft.	.80
Hydrangea P.G.	30 to 36 ins.	.60
Hypericum frondosum (St. John's Wort)	18 to 24 ins.	.40
	3 to 3 1/2 ft.	.70
	3 1/2 to 4 ft.	.90
Mock Orange, virginialis	3 to 4 ft.	.55
	4 to 5 ft.	.70
	5 to 6 ft.	1.05
Potentilla, Golddrop	18 to 24 ins.	.50
Privet, Border	4 to 5 ft.	.60

(Continued in next column)

(Continued from previous column)

Privet, Regels	18 to 24 ins.	.40
Prunus besseyi	3 1/2 to 4 ft.	.55
Prunus tomentosa	4 to 5 ft.	.65
	5 to 6 ft.	.90
Spiraea Anthony Waterer	24 to 30 ins.	.45
Spiraea foebeli	30 to 36 ins.	.55
Spiraea thunbergi	4 to 5 ft.	.70
Spiraea vanhouttei	2 to 3 ft.	.35
Symphoricarpos, Coralberry	12 to 15 ins.	.90
	15 to 18 ins.	1.10
Symphoricarpos, Snowberry	2 to 3 ft.	.75
Viburnum dentatum	2 to 3 ft.	.35
Viburnum opulus nanum	12 to 15 ins.	.90
Viburnum tomentosum	2 to 3 ft.	.60
	3 to 4 ft.	.75

THE HOME NURSERY
C. S. Ingels & Sons
On Route 17, In Stark County
La Fayette, Ill.
Phone 12R2

EVERGREEN SEEDLINGS

SCOTCH PINE (French or Spanish strain)		100	1000
2-yr. seedlings (2-0), 4 to 8 ins.	\$ 5	\$ 25	
3-yr. seedlings (3-0), 8 to 16 ins.	8	40	
WHITE PINE			
4-yr. seedlings (3-0), 5 to 10 ins.	8	40	
3-yr. transplants, grafting size	15	75	
MUGHO PINE			
4-yr. seedlings (4-0), 4 to 8 ins.	10	50	
4-yr. transplants (3-1), 3 to 5 ins.	15	75	
JAPANESE BLACK PINE			
2-yr. seedlings (2-0), 4 to 8 ins.	9	45	
3-yr. seedlings (3-0), 8 to 14 ins.	12	60	
WHITE SPRUCE			
3-yr. seedlings (3-0), 8 to 14 ins.	8	40	
5-yr. transplants, grafting size	20	100	
NORWAY SPRUCE			
3-yr. seedlings (3-0), 10 to 18 ins.	9	45	
5-yr. transplants, grafting size	25	125	
COLORADO BLUE SPRUCE			
3-yr. seedlings (3-0), 6 to 12 ins.	9	45	
5-yr. transplants (3-1), 8 to 14 ins.	35	175	
CANADIAN HEMLOCK			
3-yr. seedlings (3-0), 8 to 12 ins.	16	80	
CONCOLOR FIR			
3-yr. seedlings (3-0), 6 to 12 ins.	8	40	
4-yr. seedlings (4-0), 8 to 14 ins.	11	55	
4-yr. transplants (3-1), 4 to 8 ins.	16	80	
5-yr. transplants (3-2), 8 to 12 ins.	25	125	
FRASER FIR			
2-yr. seedlings (2-0), 2 to 4 ins.	8	40	
3-yr. seedlings (3-0), 5 to 10 ins.	12	60	
BALSAM FIR			
4-yr. seedlings (3-0), 4 to 8 ins.	8	40	
4-yr. transplants (3-1), 4 to 8 ins.	15	75	
BARBERRIES, GREEN			
2-yr. seedlings (2-0), 6 to 12 ins.	8	40	
2-yr. seedlings (2-0), 12 to 18 ins.	10	50	
WHITE FLOWERING DOGWOOD			
Seedlings, 4 to 8 ins.	7	35	
Seedlings, 12 to 24 ins.	12	60	

MUSSEY FORESTS, INC.

Box 16KC Indiana, Pa.

SHRUBS AND TREES

		Each, 100	1000
Euonymus alatus	2 to 3 ft.	\$0.85	\$0.80
	3 to 3 1/2 ft.	1.15	1.00
Euonymus alatus compactus	24 to 30 ins.	1.15	1.00
	2 1/2 to 3 ft.	1.50	1.25
Prunus elatena	2 to 3 ft.	.70	.65
	3 to 3 1/2 ft.	.85	.80
LINING-OUT STOCK			
Arborvitae, Woodward globe	9 to 12 ins.	\$0.50	\$0.40
	12 to 15 ins.	.60	.50
Arborvitae, pyramidal	15 to 18 ins.	.50	.40
	18 to 24 ins.	.60	.50
Juniperus hetzi	12 to 15 ins.	.40	.35
	18 to 24 ins.	.50	.45
Juniperus pfitzeriana	9 to 12 ins.	.35	.30
	18 to 24 ins.	.50	.45
Taxus cuspidata	9 to 12 ins.	.45	.40
Taxus hicksii	6 to 9 ins.	.50	.45
Euonymus alatus compactus	2-yr. T. 9 to 12 ins.	.25	.20

FANCHER'S NURSERY, Sturtevant, Wis.

COLLECTED STOCK

		Per 100	Per 1000
CANADIAN HEMLOCK	6 to 9 ins.	\$4.00	\$20.00
	9 to 12 ins.	6.00	45.00
	12 to 18 ins.	8.00	65.00

SUGAR MAPLES

BIRCH CLUMPS, FERNS

AND WILDFLOWERS

Send for wholesale list.

LAMPREY RIVER NURSERY

Radford H. Palmer

R. F. D. 1 Durham, N. H.

ROOTED CUTTINGS, 1-YR. BEDDED

		Per 100	Per 1000
Buxus sempervirens, 4 to 6 ins.	\$10.00	\$ 90.00	
Chamaecyparis cyano viridis,	4 ins.	12.00	
Chamaecyparis lutescens,	4 to 6 ins.	10.00	90.00
Ilex bullata, 4 to 6 ins.	10.00	90.00	
Ilex crenata, 4 to 6 ins.	12.00	90.00	
Juniper, Andorra 4 to 8 ins.	12.00	100.00	
Juniperus hibernica, 4 to 6 ins.	12.00	100.00	
Juniperus hetzi, 4 to 6 ins.	12.00	100.00	
Juniper, Pfitzer, 4 to 6 ins.	12.00	100.00	
Juniperus stricta, 4 to 6 ins.	12.00	100.00	
Juniperus communis aurea,	4 to 6 ins.	12.00	
Pachysandra,	4 to 6 ins.	4.00	35.00
Pieris japonica, 4 to 8 ins.	12.00	100.00	
Pyracantha lalandi, 4 to 8 ins.	10.00	90.00	
Pyracantha lalandi, 4 to 8 ins. (potted)	12.00		
Retinispora plumosa aurea,	6 to 8 ins.	10.00	90.00
Retinispora plumosa,	6 to 8 ins.	10.00	90.00
Taxus brevifolia, 4 to 6 ins.	10.00	100.00	
Taxus browni, 4 to 6 ins.	12.00	100.00	
Taxus brevifolia, 4 to 6 ins.	10.00	100.00	
Taxus capitata, tips,	6 to 8 ins.	15.00	125.00
Taxus cuspidata, 4 to 6 ins.	12.00	100.00	
Taxus cuspidata F&F compacta, 4 to 6 ins.	15.00	125.00	
Taxus densiformis, 4 to 6 ins.	15.00	125.00	
Taxus canadensis stricta	12.00	100.00	
Taxus hatfieldi, 4 to 6 ins.	12.00	100.00	
Taxus henryi, 4 to 6 ins.	15.00	125.00	
Taxus hicksii, 4 to 6 ins.	12.00	100.00	
Taxus intermedia, 4 to 6 ins.	12.00	100.00	
Taxus Moon's columnaris,	4 to 6 ins.	12.00	100.00
Taxus repandens, 4 to 6 ins.	12.00	100.00	
Taxus Vermeulen, 4 to 6 ins.	12.00	100.00	
English Ivy	4.00	35.00	
Thuja globosa, 6 to 8 ins.	12.00	100.00	
Thuja pyramidalis, 4 to 6 ins.	10.00	90.00	
Thuja nigra, 5 to 6 ins.	10.00	90.00	
1-YR. SEEDLINGS			
Acer palmatum, 4 to 6 ins.	6.00	50.00	
Black Locust (Robinia pseudoacacia), 12 to 18 ins.	6.00	50.00	
Taxus capitata, 3 ins.	4.00	30.00	
Chinese Chestnut, 12 to 18 ins.	10.00	80.00	
Taxus capitata, 4 to 6 ins. (2-yr. seedlings)	7.00	60.00	
(in large quantity, \$50.00 per 1000)			
Taxus capitata, 6 to 10 ins. (3-yr. seedlings)	10.00	90.00	
(in large quantity, \$75.00 per 1000)			

ROOTED CUTTINGS, 2-YR. BEDDED

		Per 100	Per 1000
Juniperus hetzi, 8 to 12 ins.	\$20.00	\$190.00	
Retinispora pisifera aurea,	8 to 12 ins.	20.00	
Retinispora plumosa aurea,	8 to 12 ins.	20.00	190.00
Retinispora plumosa,	8 to 12 ins.	20.00	190.00
Pieris japonica, 6 to 10 ins.	20.00	190.00	
Taxus cuspidata, 6 to 8 ins.	20.00	150.00	
Taxus cuspidata F&F compacta, 6 to 8 ins.	25.00	200.00	
Taxus intermedia, 6 to 8 ins.	20.00	150.00	
Taxus browni, 6 to 8 ins.	20.00	150.00	
Taxus hicksii, 6 to 8 ins.	20.00	150.00	
Taxus brevifolia, 6 to 8 ins.	20.00	150.00	
Ilex bullata, 6 to 8 ins.	15.00	200.00	
4-YR. TRANSPLANTS			
Taxus capitata, 8 to 12 ins.	20.00	150.00	
Leucothoe catesbaei,	10 to 14 ins.	35.00	
Picea engelmanni, 5 to 8 ins.	8.00	70.00	
Picea excelsa, 6 to 12 ins.	12.00	100.00	
Picea pungens glauca,	6 to 10 ins.	12.00	100.00
Pinus mughus Tyrolean,	4 to 6 ins.	20.00	
Thuja occidentalis, 8 to 12 ins.	12.00		
Tsuga canadensis, 5 to 8 ins.	10.00		
Tsuga canadensis, 8 to 10 ins.	15.00	140.00	
Tsuga canadensis, 10 to 12 ins.	20.00	190.00	
5-YR. TRANSPLANTS			
Douglas Fir, 12 to 18 ins.	10.00	80.00	
Concolor Fir, 6 to 10 ins.	15.00	130.00	
Tsuga canadensis, 12 to 15 ins.	30.00	250.00	
	12 to 18 ins.	20.00	140.00
Picea (White Spruce),	12 to 18 ins.	10.00	80.00
Picea excelsa, 12 to 18 ins.	10.00	80.00	

VAN DINE NURSERY

Berdan Ave. Wayne, N. J.

CHINESE ELM SEEDLINGS

		\$ 5.00 per 1000
4 to 6 ins.	8.00 per 1000	
6 to 12 ins.	12.50 per 1000	
12 to 18 ins.	16.00 per 1000	
18 to 24 ins.	20.00 per 1000	
2 to 3 ft.	30.00 per 1000	
3 to 4 ft.	40.00 per 1000	

COTTONWOOD SEEDLINGS

		\$ 5.00 per 1000
6 to 12 ins.	10.00 per 1000	
12 to 18 ins.	12.50 per 1000	
18 to 24 ins.	15.00 per 1000	

HACKBERRY TREES

Transplanted, very nice landscape stock.

10 to 12 ft., \$22.50 per 10.

12 to 15 ft., 1 1/2 to 2-in. cal., \$33.00 per 10.

McCANCE NURSERIES

Route 3 North Platte, Neb.

Flowering Quince liners, the best varieties, including some rare ones.

Please see complete list on pages 74-75.

Templeton, Phytotektor, Winchester, Tenn.

DECIDUOUS FLOWERING TREES

PINK DOGWOOD

Cornus florida rubra

Each.	Each per 100
6 to 12 ins., 1-yr.	\$0.50 \$5.00
12 to 18 ins., 1-yr. ....	.50 .45
18 to 24 ins., 1-yr. ....	.60 .55
24 to 30 ins., 1-yr. ....	.85 .75
30 to 36 ins., 1-yr.	1.00 .90
3 to 4 ft., 2-yr.	1.50 1.40
4 to 5 ft., 2-yr.	2.50 2.25
5 to 6 ft., 2-yr.	3.00 2.75

WHITE FLOWERING DOGWOOD

Cornus florida (2-yr.)

4 to 5 ft., br.	\$1.25 \$1.00
3 to 4 ft., br. ....	.90 .60
2 to 3 ft., br. ....	.50 .40
18 to 24 ins., br. ....	.25 .20
12 to 18 ins., br. ....	.10 .08

FLOWERING CRAB APPLES

Eley, Hopa and Almey.

2 to 3 ft., 1-yr. whips.	\$0.30 \$0.25
3 to 4 ft., 1-yr. whips. ....	.35 .30
4 to 5 ft., 1-yr. whips. ....	.45 .40
3 to 4 ft., 2-yr., br. ....	.45 .40
4 to 5 ft., 2-yr., br. ....	.60 .50
5 to 6 ft., 2-yr., br. ....	.75 .65

FLOWERING PEACH

Red, white, pink and peppermint.

12 to 18 ins.	\$0.15 \$0.13
18 to 24 ins. ....	.25 .20
2 to 3 ft. ....	.30 .25
3 to 4 ft. ....	.35 .30
7/16 to 9/16-in. cal. ....	.40 .35
9/16 to 1 1/16-in. cal. ....	.45 .40

GALE'S DOGWOOD NURSERY

P. O. Box 411 Winchester, Tenn.

SURPLUS LANDSCAPE MATERIAL

1-9 10-49

100 Berberis thun. atro.	\$0.95 \$0.80
24 to 30 ins. br. ....	.25 .20
20 Pieris jap., 12 to 15 ins., B&B 2.80	2.25
50 Pieris jap., 15 to 18 ins., B&B 3.75	3.00
10 Pieris jap., 18 to 24 ins., B&B 5.50	4.50
20 Cornus florida, 3 to 4 ft., B&B 3.50	3.25
20 Cornus florida, 4 to 5 ft., B&B 4.50	4.00
10 Cornus florida, 5 to 6 ft., B&B 6.50	6.00
50 Cornus florida rubra, 4 to 5 ft., B&B	7.00 6.00
35 Cornus florida rubra, 5 to 6 ft., B&B	11.00 9.50
70 Quercus pal., 8 to 10 ft., br.	6.00 5.00
70 Quercus pal., 1 1/2 to 1 3/4 br.	10.50 8.80
70 Quercus pal., 1 3/4 to 2 ins., br.	14.00 11.50
6 Quercus pal., 3 1/2 to 4 ft., B&B	52.50
10 Quercus borealis maxima, 2 1/2 to 3 ins., B&B	37.50
30 Norway Spruce, 4 to 6 ft., B&B	5.25 5.00
White Pine, open, 2 to 3 ft., B&B	2.25 2.00
open, 3 to 4 ft., B&B	3.00 2.75

OREGON NURSERY

230 Eden Rd. Lancaster, Pa.

METASEQUOIA GLYPTOSTROBODES

(Dawn Redwood)

Undoubtedly this is one of the most interesting plants introduced in recent years. Nobody seems to be able to supply the demand for it. It was introduced to the Arnold Arboretum in January, 1948, and sent out by them as soon as stock was available. We secured some and now have a few thousand plants available. It is a rapidly growing tree, somewhat resembling Taxodium distichum, and like it, likes a moist condition. We find it grows very well in our black soil. It is deciduous. We suggest you get some as it will no doubt continue to be in good demand as it becomes better known.

	Each	10	100	1000
1-yr., s. 6 to 12 ins. ....	...	\$7.50	\$50	\$450
12 to 18 ins.	\$1.50	10.00	75	650
18 to 24 ins.	2.00	17.50	150	...
2 to 3 ft.	2.50	22.50	200	...

THE TINGLE NURSERY CO.

Pittsville, Md.

PIERIS JAPONICA

Each	10 rate	100 rate	1000 rate
12 to 15 ins.	\$2.40	\$1.30	\$1.10
15 to 18 ins.	3.00	2.00	1.50
18 to 24 ins.	4.00	3.00	2.50
2 to 2 1/2 ft.	5.00	4.00	3.50
2 1/2 to 3 ft.	6.00	5.00	4.00

CHERRY LAUREL

(Prunus laurocerasus schipkaensis)

Each	10 rate	100 rate
2 to 2 1/2 ft.	\$5.00	\$4.00
2 1/2 to 3 ft.	7.00	6.00

TURNER BROS. NURSERY

Monmouth Road West Long Branch, N. J.

Phone Capital 9-2587

ORNAMENTAL SHRUBS

Crab Apples, 40 varieties; 1-yr. trees and limited number 3-yr. transplants. Descriptive booklet available.

Thundercloud Plum, 1-yr. and 3 yrs., 6 to 8 ft.

Winter King Hawthorn, 1-yr. whips and 3-yr. transplants, 6 to 8 ft.

Taxus and large plants of Magnolia soulangeana.

SIMPSON ORCHARD CO., INC.

1504 Wheatland Rd. Vincennes, Ind.

Phone TU 2-2441

IMPROVED HYBRID BLUE ASH

(Fraxinus quadrangulata)

This is a good, fast growing shade tree. Very compact, dense foliage. Retains almost perfect shape until fully grown. Disease-resistant and will withstand severe weather conditions. Does not have bloom or seed pods to litter lawns or street, 5000 available.

Each, 10 100

5 to 6 ft., branched. \$2.25 \$2.00

6 to 8 ft., branched. 2.75 2.50

8 to 10 ft., branched. 3.25 3.00

10 to 12 ft., branched. 3.75 3.50

Catalog on request.

SURFACE NURSERY

R. 1, Box 832 Gresham, Ore.

SURPLUS TREES

Bare-root

Honey Locust, thornless, B&B root

2 to 2 1/2-in. cal. \$4.00 \$3.00

Honey Locust, thornless, B&B root

2 1/2 to 3-in. cal. 5.50 4.00

Sweet Gum, 1 1/2 to 2-in. cal. 3.50 2.50

Sweet Gum, 2 to 2 1/2-in. cal. 4.50 3.50

Pin Oak, 2 to 2 1/2-in. cal. 4.00 3.00

Pin Oak, 2 1/2 to 3-in. cal. 5.50 4.00

Norway Maple, 1 to 1 1/2-in. cal. 3.00 2.00

Silver Maple, 1 to 1 1/2-in. cal. 1.50

Sycamore, 1 1/2 to 2-in. cal. 2.00

Sycamore, 2 to 2 1/2-in. cal. 4.00 3.00

Pink Dogwood, 4 to 5 ft. 2.00

LAWRENCE SANDERS NURSERY

721 Kentucky Ave. Paducah, Ky.

SALES BUILDERS

Do your sales need a shot in the arm?

Try our proven SALES BUILDERS, as

Norway Maple, White Birch, European Mt.

Ash, Paul's Scarlet Hawthorn, Flowering

Peach, Golden Chain, Faassen's Red-leaved

Maple, Dogwoods, Flowering Crabs, etc. All

reasonably priced. Send for surplus list, from

one of America's progressive small nurseries.

Send want list.

GLOBE NURSERIES

Box 249, Dept. AN60 McMinnville, Tenn.

RHODODENDRONS

Hybrids in varieties: Tr. Red Jap. Maples, also the new Bloodgood variety. Own-root grown. Liners and finished plants. Our

complete list of many items of choice nursery stock is now ready. See our beautifully

grown Taxus, Ilex, Azaleas, etc.

GERARD K. KLEN, INC.

Mentor, O.

Wholesale Nurserymen

SHADE TREES

Each

Green Ash, 1 1/2 to 1 3/4-in. cal. \$3.00

Silver Maple, 1 1/2 to 2-in. cal. 3.00

Chinese Elm, 1 1/2 to 2-in. cal. 3.00

Thornless Honey Locust, 1 1/2 to 1 3/4-in. cal. 3.00

Sycamore, 1 1/2 to 2-in. cal. 3.00

KINAST NURSERY

On Route 173, 2 miles west of Route 45,

P. O. Box 286 Antioch, Ill.

Phone Antioch 2222

WASHINGTON HAWTHORN (HEAVY)

5 to 6 ft., B&B. \$5.25

6 to 8 ft., B&B. 7.25

8 to 10 ft., B&B. 9.50

CAROLINA HEMLOCK (SPECIMEN)

5 to 6 ft., B&B. 12.50

6 to 8 ft., B&B. 16.00

ROBERT L. WADE LANDSCAPE CO.

82 Fitting Ave. Bellville, O.

Phone (evenings) TUXedo 6-3471

SPECIAL PRICES

ON RED OAK SEEDLINGS

Per 100 Per 1000

18 to 24 ins. \$10.00

2 to 3 ft. 15.00 \$125.00

3 to 4 ft. 20.00 175.00

4 to 5 ft. 30.00

EGYPTIAN NURSERY & LANDSCAPE CO.

Farina, Ill.

Day phone 3551, Night phone 3553

RARE, HARDY, NORTHERN-GROWN

Each

Phellodendron amurense, 4 to 5 ft. \$2.50

Phellodendron amurense, 5 to 6 ft. 3.00

Sophora japonica, 3 to 4 ft. 4.00

Magnolia stellata Water Lily, 18 to 24 ins. 3.00

H. J. BAKER

1412 W. Main St. Crawfordsville, Ind.

NORWAY MAPLE

We have several hundred specimens to offer, 2 1/2 to 3-in. cal. and 3 to 3 1/2-in. cal.

We can also supply, in quantity, Ilex crenata latifolia, 6 to 8 ft. and 8 to 10 ft.

SWAN RIVER NURSERY

Patchogue, N. Y.

Phone GROVER 5-1200

Dawn Redwood (Metasequoia).

Please see complete list on pages 74-75.

Templeton, Phytotektor, Winchester, Tenn.

SHADE AND FLOWERING TREES

See our display ad November 1 issue.

WAYNESBORO NURSERIES, INC.

Waynesboro, Va.

TAXUS CAPITATA

Upright Japanese Yew,

grown from Japanese imported seed.

2-yr. seedlings. Seed sown lightly.

75,000 2-yr. seedlings, 1000 10,000

4 to 6 ins. \$75.00 \$600.00

65,000 2-yr. seedlings, 1000 10,000

6 to 8 ins. 90.00 750.00

SHADE'S NURSERY

624 Colonial Club Dr. Harrisburg, Pa.

Phone Harrisburg KI 5-5417.

5 miles east of Harrisburg on U. S. Route 22, Turn north at Inn. 22, nursery 1 mile north of U. S. Route 22.

TAXUS

EACH, 100 1000

Brevifolia, 2-yr., T. \$0.40 \$0.35

Brown, 2-yr., T.40 .35

Capitata, 4-yr., T.45 .40

6-yr., TT (sheared)30 .75

Cuspidata, 2-yr., T.40 .35

4-yr., TT, FR.60 .50

Densiformis, 2-yr., T.45 .40

Hatfieldi, 2-yr.75 .60

QUALITY IS OUR MOTTO. No charge for packing.

C. HOOGENDOORN

408 Turner Rd., Newport, R. I.

TAXUS

Japanese Yew (capitata), from seed.

(3-2-3), 10 to 18 ins., T, \$1.00 each.

Twice sheared, good color, massive roots.

(3-0), 3-yr., S, 4 to 8 ins.,

\$85.00 per 1000, \$10.00 per 100.

(2-0), 2-yr., S, bed-run, 2 to 6 ins.

\$60.00 per 1000, \$7.50 per 100.

Also Pine, Spruce, Fir.

DENTON NURSERY

Route 1 Conneaut, O.

300,000 UNROOTED TAXUS CUTTINGS

Taxus, intermedia, wardi, hicksii, hatfieldi, cuspidata, browni, huneewelliana, capitata, tips or side branches; Hill's pyramidal and andersoni.

\$17.50 per 1000.

THEODORE KLEIN NURSERIES

Crestwood, Ky.

20 PER CENT OFF

BUDGET B&B TAXUS

Cuspidata, browni, densiformis, kelseyi, hatfieldi, capitata, Vermeulen, 12 to 15 ins. and 15 to 18 ins. Capitata also in 18 to 24 ins. and 24 to 30 ins. Nice stock reasonably priced. Inspection invited. List on request.

JOHN VERMEULEN & SON, INC.

P. O. Box 336A Neshanic Station, N. J.

TAXUS

Spreading, 18 to 24 ins., 24 to 36 ins.

Hicksi, 18 to 24 ins.

Browni, 15 to 18 ins., 18 to 24 ins.

20,000 to choose from. Reduced prices. Must clear leased land.

BRAINE & FOREMAN

Route 2 Sharon, Pa.

VIBURNUMS

VIBURNUM CARLESI COMPACTA (NEW)

This is a compact form of Viburnum carlesii with dark green leaves and buds up very readily.

2-yr. T, from cuttings, \$50.00 per 100.

Strong 2-yr. grafts, \$125.00 per 100, \$1000.00 per 1000.

QUALITY IS OUR MOTTO. No charge for packing.

C. HOOGENDOORN

408 Turner Rd., Newport, R. I.

VIBURNUM CARLESI

Fragrant Mayflower Viburnum.

2-yr. seedlings, 6 to 8 ins., \$20.00 per 100,

\$175.00 per 1000; 8 to 12 ins., \$30.00 per 100,

\$250.00 per 1000.

QUALITY IS OUR MOTTO. No charge for packing.

C. HOOGENDOORN

408 Turner Rd., Newport, R. I.

Chinese Snowball, Viburnum macrocephalum sterile, liners.

Please see complete list on pages 74-75.

Templeton, Phytotektor, Winchester, Tenn.

Turn Stock Into Dollars

by Listing It in the Classified Ads of the American Nurseryman.

VINES

VINES

Each

WANTED

WANTED—ACER GRISEUM

Seedlings or larger, in small or large quantities. Also Acer micranthum, Acer capillipes. Send prices immediately. Also write if you will have these for sale in 1961.

DAVIS RARE TREE NURSERY
Traver Rd. Pleasant Valley, N. Y.

WANTED

Unrooted, made-up hardwood cuttings, 10,000 each of the following varieties: California and Amur River Privet, Spring Glory, Spectabilis and Lynwood Gold Forsythia.

LEVEL GREEN NURSERY
504 Sandra Drive Trafford, Pa.

Wanted—Quince and Dogwood, large branches with flower bud for forcing, or large Quince shrubs. Must have before December 10. Call Wilson 1-0823 or write

H. Larsen, Box 133, Ossining, N. Y.

SUPPLIES

BURLAP

NEW BURLAP

In bolts or rolls of 100 to 125 yards.

HEAVYWEIGHT BURLAP

Width	In bolts	On rolls
36 ins.	22½c	24½c per yd.
40 ins.	23½c	25½c per yd.
45 ins.	25½c	27½c per yd.
48 ins.	27½c	29½c per yd.
54 ins.	31c	32c per yd.
60 ins.	34½c	36½c per yd.
72 ins.	40½c	42½c per yd.

BURLAP EROSION CLOTH

40 ins.	19c	21c per yd.
57 ins.	23c	

All prices are net F.O.B. New York. Minimum order 1 bolt or 1 roll. Orders of 3 or more freight prepaid east of the Mississippi. When ordering specify rolls or bolts.

LEWIS INTERNATIONAL CO.
666 Clinton Ave. Newark 8, N. J.

HOLLAND BURLAP squares, for all needs. PLAIN, ROT-NOT GREEN plastic preserved. HALF MOON CO., Box 27A, Plainfield, N. J.

CANE STAKES

NATURAL BAMBOO STAKES

PER 100	¾" x ¾"	¾" x 1"	1" x 1"
4 ft.	\$2.35	\$3.44	\$4.25
5 ft.	2.60	4.30	5.30
6 ft.		5.16	6.36
7 ft.		6.02	7.42
8 ft.		6.88	8.48
10 ft.			10.60
12 ft.			12.72

Approximate thickness at bottom end. F.O.B. Livonia, La. 2000 up, less 5 per cent; 5000 up, less 10 per cent.

A. C. PATTERSON, FRISCO, LA.
FORMERLY OF CENTERTOWN, KY.

CANE STAKES

A complete line of bamboo cane stakes, from 12 ins. to 8 ft. Available from 7 convenient freight-saving shipping points. Write for details to America's largest horticultural bamboo distributor.

McHUTCHISON & CO.
695-N Grand Ave. Ridgefield, N. J.
2505 S. E. 11th Ave. Portland 2, Ore.

BAMBOO CANE STAKES

For greenhouse and nursery purposes.

All types and sizes.

Write for prices and quantity discounts.

ALEC HENDERSON, INC.

1313 W. Randolph St. Chicago 7, Ill.

OUTDOOR BAMBOO STAKES

All sizes for immediate delivery.

Ask for our Nursery Supply List.

HALF MOON CO., Box 27A, Plainfield, N. J.

CHRISTMAS TREES

SHAPED CHRISTMAS TREES

SCOTCH PINE, shaped yearly, \$1.25 to \$1.75 each. 50,000 trees, 5 to 8 ft. of good, green color. Cut, bundled, loaded on your truck. B&B. Let us quote you on quantity and sizes. These are grown on our 1000-acre plantation. Tree farm located 5 mi. south of Conneaut Lake, Pa.; 3 mi. off Route 285. Inspection invited.

Phone: Hartstown 2172 (Eve's) Zelienople 644
TRELAND FARMS
Mail: P. O. Box 303, Conneaut Lake, Pa.

CHRISTMAS TREES

10,000 beautiful Scotch Pine,

sheared many times.

For appointment to see trees,

call or write.

SAM DIBLE NURSERY

Shelcta, Pa.
Phone Parkwood SA 6-5377

CHRISTMAS TREES

Pinus resinosa (American Red Pine).

	Each
2 to 3 ft., B&B	\$2.50
3 to 4 ft., B&B	3.00
4 to 5 ft., B&B	4.50
5 to 6 ft., B&B	5.50
Pinus strobus (Eastern White Pine).	
2 to 3 ft., B&B	\$2.50
3 to 4 ft., B&B	3.50
4 to 5 ft., B&B	4.75
5 to 6 ft., B&B	6.50

Cut American Red Pine, 4 to 6 ft. \$1.50
Dig your own live Christmas trees,
only \$2.50 each.

Carefully trimmed for 7 years. Planted in 1953 as 3 and 4-yr. transplants. Very full, bushy, compact plants.

WADE CHRISTMAS TREE FARMS
Route 1 Bellville, O.

LIVING CHRISTMAS TREES

Pruned, well cared for, properly dug.

Norway Spruce, 2 to 3 ft., B&B	\$2.50
Norway Spruce, 3 to 4 ft., B&B	3.25
Norway Spruce, 4 to 5 ft., B&B	4.00
Yew, 5 to 6 ft., B&B	5.50
You dig, 3 to 6 ft., \$2.50 each. 30,000 Spruce to pick from.	
White Pine, 3 to 4 ft., B&B	\$3.50
White Pine, 4 to 5 ft., B&B	5.50
White Pine, 5 to 6 ft., B&B	6.50
White Pine, 6 to 7 ft., B&B	9.00
Scotch Pine, 3 to 4 ft., B&B	3.00
Scotch Pine, 4 to 5 ft., B&B	4.50
Red Pine, 3 to 4 ft., B&B	3.00
Red Pine, 4 to 5 ft., B&B	4.50

See our display ad on page 50.

WADE & GATTON NURSERIES
Bellville, O.
Day phone, Butler TU 3-3191. Night phone,
Bellville TU 6-3449.

CHRISTMAS TREES

WHOLESALE

SHEARED 7 TIMES

	Each, 100-500	500-1000
Scotch Pine	\$1.25	\$1.90
Norway Spruce	1.25	1.00
White Spruce	1.75	1.50
Austrian Pine	1.25	1.00
Red Pine	1.00	.75

10,000 trees to choose from,
sizes 4 to 12 ft.

RIVERVIEW NURSERY
Geo. A. Walters, R. D. 1, Milton, Pa.
Nursery, Route 14, opp. Lewisburg bridge.
Phone Lewisburg JA 3-8865

NORWAY SPRUCE

	Each, 1-30	30 up
2 to 3 ft., B&B	\$2.75	\$2.50
3 to 4 ft., B&B	3.50	3.25
4 to 5 ft., B&B	4.50	4.00
Row-run and you dig your own, \$2.50 each.		

Ideal for specimen, screen and Christmas season.

We invite your inspection.

PAUL'S NURSERY
R. F. D. 3 Phone Shelby 3-2161.

DOUGLAS FIR, 6 TO 12 FT.

Ideal for Christmas trees.
B&B or cut, REASONABLE.

Write for prices to

THE BUDDIES NURSERY

P. O. Box 14 Birdsboro, Pa.

Phone Juniper 2-7257

CHRISTMAS TREES

Norway, Black Hills and White Spruce.

2 to 5 ft., B&B, row-run, \$2.50.

DUGAN NURSERIES, INC.

Center St. Perry, O.

DECORATIVES

WREATHS

Wholesale for 25 years. Time has shown they are best on market.

BALSAM FIR ONLY

Each

9-in. hoop, 22 to 24 ins., wt. 3½ lbs. \$0.80

12-in. hoop, 26 to 28 ins., wt. 5 lbs. 1.00

18-in. hoop, 36 ins., wt. 9 lbs. 1.55

All wreaths in bales of 10.

GRAVE BLANKETS

3x7 ft., heavy, on 2-in. wire. 2.75

Crates of 20 or 25. 2.50

BALSAM BOUGHS

18 to 24 ins., select, 100-lb. bales. 5.00

Truck freight. State date wanted.

Satisfaction guaranteed.

J. R. PALMER & SON, BLACKDUCK, MINN.

Surplus Stock

can be easily and quickly turned into

Cash

by listing it in the

American Nurseryman Classified Ads.

FERTILIZERS

PETERS SPECIAL

A complete line of soluble and long-life fertilizer formulas specially designed for the commercial grower and manufactured by the Robert B. Peters Co., Inc., the trade's leading commercial soil test laboratory. Drop a card for complete price list and your free brochure, "The Peters System of Soil Fertility Control."

ROBERT B. PETERS CO., INC.

2833 Pennsylvania St. Allentown, Pa.

FLATS

WHITE CEDAR FLATS

Order by No.	Size	Price per	Wt. per
No. 1	14x20x2¾-in.	\$27.75	100
No. 2	14x20x3¾-in.	32.00	320
No. 3	12x16x2¾-in.	21.00	260
No. 4	12x16x3¾-in.	24.75	275
No. 5	14x16x2¾-in.	23.75	275
No. 6	14x16x3¾-in.	28.00	290
No. 7	15x22x2¾-in.	31.50	380
No. 8	15x22x3¾-in.	35.75	425
No. 9	11¼x22x2¾-in.	25.75	320
No. 10	11¼x22x3¾-in.	29.50	400
No. 11	14x16x5-in.	32.75	450
No. 12	5x11x5-in.	16.75	160
No. 13	5x11x5-in.	19.00	215
Plant boxes, 5½x11¼x2¾-in.		8.00	60
Plant boxes, 5x8½x2¾-in.		5.50	45

Skeleton flats to carry TEKPAKS and similar growing containers. (Write us for price list.)

All other sizes quoted on request. Bottoms and sides are ¾-in. thick and ends are ¾-in. thick. Plant boxes are made of thinner lumber. Your name and address printed, up to 3 lines in black ink, on one or both end pieces at the following rates: \$1.00 setup charge, plus ¼¢ per end and piece. Shipped K.D. in units of 25. F.O.B. Cook. All shipments by truck unless otherwise specified.

QUANTITY DISCOUNTS

Order totaling \$100.00 to \$200.00, 5 per cent; \$200.00 to \$400.00, 6 per cent; \$400.00 to \$600.00, 7 per cent; \$600.00 to \$800.00, 8 per cent; \$800.00 to \$1000.00, 9 per cent; \$1000.00 and over, 10 per cent.

TERMS: 2 per cent, check with order; 1 per cent 30 days, net 60.

H. C. HILL & SONS, INC.

Phone North 6-3348 Cook, Minn.

CYPRESS FLATS

TOP GRADE FLATS THAT LAST

No.	Size I.S.M.	Per 100	Wt.
1	14x20x2¾ ins.	\$25.00	590
2	14x20x3¾ ins.	29.00	680
3	12x16x2¾ ins.	20.00	440
5	14x16x2¾ ins.	22.00	510
7	15x22x2¾ ins.	29.00	670
8	15x22x3¾ ins.	33.00	780
9	11¼x22x2¾ ins.	25.00	540

Any size to order. Bottoms and sides ¾-in. thick; ends ¾-in. All planed one side.

5 per cent discount on orders for 500 or more. Terms: Cash. Up to 3 lines printing, \$1.00 setup charge plus 1¢ per end piece.

Shipped K.D. units of 25. F.O.B. Williamson, N. C., truck.

H. C. HILL & SONS

P. O. Box 747 Williamson, N. C.

Phone SWift 2-4127

CYPRESS FLATS, K. D.

Finest stock obtainable. Guaranteed all clear heart. Size 20x15x3 ins. inside measure, \$38.00 per 100.

1x1-in. Cypress stakes, pointed.

50 pcs to bundle, 4 ft., \$2.50 per bd.

50 pcs to bundle, 5 ft., \$4.50 per bd.

50 pcs to bundle, 6 ft., \$5.50 per bd.

Ship same day.

YOH & HOOKER, YOUNGSTOWN 2, O.

JIFFY-POTS

JIFFY-POTS

All sizes available for prompt shipment at standard prices.

McHUTCHISON & CO.

695-N Grand Ave. Ridgefield, N. J.

LABELS

DAHLIA OR TREE LABELS

	Plain	Painted
3¼x½ ins., notched, not wired	\$3.00	\$3.60
3¼x½ ins., wired (copper)	3.95	4.90

POT LABELS

4x½ ins. (cartons 1000 each)	3.95	4.60
5x5½ ins. (cartons 1000 each)	4.30	5.10
6x½ ins. (cartons 1000 each)	4.70	5.80

GARDEN STAKES

8x½ ins. (cartons 500 each)	\$3.50	\$4.30
10x½ ins. (cartons 500 each)	4.20	5.10

GARDEN STAKES

8x ¾ ins. (cartons 250 each)	3.00	3.60
10x ¾ ins. (cartons 250 each)	3.30	3.90
11x1 ¼ ins. (cartons 100 each)	2.00	2.40

Our labels are perfectly white and smooth on both sides and are pronounced by growers the best and most economical.

Catalog on request.

"We ship same day."

YOH & HOOKER, YOUNGSTOWN 2, O.

FINEST BLANK OR PRINTED wood labels.

BENJ. CHASE CO., VI. Sta., DERRY, N. H.

MULCHES

WOOD MULCH

(Wood chips, no brush chips.) Pure green Oak chips for Evergreens. Bulk or in bags.

Any quantity.

Write us for prices.

JOHN TANGUAY CO.

Jewett City, Conn.

Phone Moosup Ex., LO 4-2106

PEAT MOSS

"BRODLEAF," Best Holland PEAT MOSS. Gardner No. 110 and No. 85, Growers No. 120 Growers Jumbo No. 170. Two Bales Equal 3. HALF MOON CO., Box 27A, Plainfield, N. J.

PLANT TIES

"QWIK-TIES," NEW, IMPROVED PLASTIC PLANT TIES. Guaranteed fade-proof. Small, strong, almost invisible. Economical and easy to use. Packed in bundles of 250 ties for convenient use.

Size	Per carton of 10,000	Av. weight per carton
4-in.	\$10.00	5 lbs.
8-in.	18.00	10 lbs.
12-in.	27.00	14 lbs.

McHUTCHISON & CO. Ridgefield, N. J. 695-N Grand Ave.

PLASTIC FILM

POLYETHYLENE FILM

1 1/2 mil., black, in 1000-ft. rolls, 3 ft. wide, \$17.34; 4 ft. wide, \$22.95.
2 mil., natural, in 200-ft. rolls, 4 ft. 2 ins. wide, \$6.80; 8 ft. 4 ins. wide, \$12.75; 12 ft. wide, \$18.36.

4 mil., natural, in 100-ft. rolls, 3 ft. wide, \$5.10; 4 ft. wide, \$6.80; 6 ft. wide, \$9.52; 8 ft. wide, \$12.24; 10 ft. wide, \$15.30; 12 ft. wide, \$18.36; 14 ft. wide, \$21.42; 16 ft. wide, \$24.48; 20 ft. wide, \$30.60; 24 ft. wide, \$36.72; 28 ft. wide, \$42.84; 32 ft. wide, \$48.96; 40 ft. wide, \$61.20.

6 mil. available in widths up to 40 ft. 15 per cent discount on orders over \$24.00. 25 per cent discount on orders over \$60.00. 40 per cent discount on orders over \$25,000 sq. ft.

We pay freight if check is with order.

ROUGH BROS.

4229 Spring Grove Ave. Cincinnati 23, O.

POLYETHYLENE FILM

Natural transparent, made from Du Pont Alathon, the amazing film for greenhouses. .004 mil. all rolls 100 ft. long.
3 ft. wide by 100 ft. long. \$ 6.00 per roll
4 ft. wide by 100 ft. long. 8.00 per roll
6 ft. wide by 100 ft. long. 12.00 per roll
8 ft. wide by 100 ft. long. 16.00 per roll

Other sizes available up to 20 ft. wide.

Send \$1.00 for liberal sample.

Special deal for greenhouse construction.

5 rolls or 9 rolls, 25 per cent discount.

10 rolls or more, 33 1/2 per cent discount.

"We ship same day."

YOHIO & HOOKER

520 Williamson Ave. Youngstown 1, O.

VIKING CLOTH—Plastic Sealed Burlap.

Let in light, keep out Water & Wind.

In 50-yard roll 5 ft. wide, \$38.00.

Polyethylene, Clear, Black, Rolls, Sts.

HALF MOON CO., Box 27A, Plainfield, N. J.

POLYETHYLENE FILM

SAVE MONEY AT THESE LOW PRICES

.0015 mil., black, 3 ft. x 1000 ft. \$11.58

.002 mil., clear, 4 ft. 2 ins. x 200 ft. 4.30

.004 mil., clear, 6 ft. x 100 ft. 6.18

.004 mil., clear, 16 ft. x 100 ft. 16.48

.006 mil., clear, 12 ft. x 100 ft. 18.54

Many other widths available in clear or black.

Save up to one-third. WHY PAY MORE?

Write for complete list of sizes and prices per roll.

SUPERIOR IMPORTERS

1421 W. Chicago Ave., Chicago 22, Ill.

DUPONT'S WEATHERABLE MYLAR

5 mil., NEW TYPE W-1

(One side exposure.)

42 ins. wide x 100 ft. long roll. \$52.50

48 ins. wide x 100 ft. long roll. 60.00

51 ins. wide x 100 ft. long roll. 63.75

1000-ft. rolls, same widths, 13 1/2¢ per sq. ft.

FREIGHT PREPAID, CASH WITH ORDER.

5 mil., TYPE W-2 (two side exposure) also available. Write for prices and information.

ROUGH BROS., INC. Cincinnati 23, O.

4229 Spring Grove Ave.

PLASTIC POTS

NEW LOW PRICES

WILSON HIGH IMPACT

POLYSTYRENE PLASTIC POTS

Attractive mottled green colors in utility grade, sold in original cartons only. All prices F.O.B. Dayton, O.

Per 1000 Wt.

2 -in., round, 1000 case \$ 10.75 13 lbs.

2 1/4 -in., round, 1200 case 11.75 18 lbs.

2 1/2 -in., round, 1000 case 14.50 22 lbs.

3 -in., round, 1000 case 18.25 36 lbs.

4 -in., round, 500 case 32.00 30 lbs.

5 -in., round, 300 case 63.00 38 lbs.

6 -in., round, 120 case 110.00 34 lbs.

7 -in., round, 72 case 170.00 30 lbs.

4 -in., round tub, 500 case 32.00 33 lbs.

6 -in., round tub, 120 case 100.00 25 lbs.

2 1/4 -in., square, 1000 case 11.75 17 lbs.

2 1/2 -in., square, 1000 case 14.75 22 lbs.

3 -in., square, 1000 case 18.25 35 lbs.

4 -in., square, 500 case 33.00 33 lbs.

No. 10 Planta Can, 150 cases 120.00 45 lbs.

Also available in decorator colors. Write for quote on colors. Send fifty cents (50¢) for complete set of samples postpaid.

DAYTON NURSERY & GARDEN SALES

P. O. Box 763 Dayton 1, O.

Phone Baldwin 3-8277

Turn your Surplus Stock

into cash

with a Classified Ad in

the American Nurseryman.

PRINTING

Letterheads, 8 1/2 x 11 ins.; envelopes, 6 1/2

size; 250 of each, \$6.50, postpaid to zone 3.

H. Grebe, 306 Union St., Roversford, Pa.

REED MATS

GUARD 'N SHADE

DUTCH-MADE REED MATS

Carefully woven with a generous amount of reed. Durable and easy to handle. Ideal for coldframe protection in spring and fall. AVAILABLE IN 3 SIZES. F.O.B. ATLANTIC AND GREAT LAKES PORTS. 6 1/2-FT. SIZES AVAILABLE FOR IMMEDIATE SHIPMENT. WRITE FOR PRICES.

McHUTCHISON & CO. Ridgefield, N. J.

695-N Grand Ave.

SPHAGNUM MOSS

WISCONSIN'S FINEST SPHAGNUM

1960 crop, long, clean, heavy fibered, standard 12x14x43-in. bales, solid pack, burlap.

1 to 10, \$1.80; 11 to 50, \$1.75; 51 to 100, \$1.70. F.O.B. Warrens, Wis.

Finest quality milled sphagnum, the ideal material for seed germination, 2 1/2-bu. bags.

1 to 5, \$2.00; 6 to 10, \$1.90; 11 or more, \$1.75 per bag. F.O.B. Warrens, Wis.

Satisfaction guaranteed. Prompt shipping via rail, express or truck. Contact us for special prices on quantity shipments via truck or rail on burlap or wire bales and milled sphagnum in 2 1/2, 5 or 9 bu. bags. Prices subject to change.

WARRENS MOSS CO. Warrens, Wis.

Box L Warrens, Wis.

PHONE TOMAH 625

Fresh, clean sphagnum moss, write, or phone City Point 133 for our low prices on wire-bound bales in truckloads or carlots.

Tony Jaromir, City Point, Wis.

Check Your Stock NOW!

If you have a surplus

sell it through the

American Nurseryman Classified Ads.

STAKES

CYPRESS PLANT STAKES

50 pieces to bundle.

1x1-in.—3 ft., pointed \$3.00 per bundle

1x1-in.—4 ft., pointed 3.50 per bundle

1x1-in.—5 ft., pointed 4.50 per bundle

1x1-in.—6 ft., pointed 5.50 per bundle

1x1-in.—7 ft., pointed 7.00 per bundle

These stakes are made of cypress and redwood; are good, strong stakes and will give long service. "A little better than seems necessary."

WE SHIP SAME DAY!

YOHIO & HOOKER

Youngstown, O.

STAKES, GALVANIZED HARD STEEL

GALVANIZED tree-guying WIRE.

HOSE for guy-wire PADDING.

Prices and samples sent on request.

SCHUPP SUPPLY CO., WILMETTE, ILL.

Plant Stakes, see large ad under Cane Stakes. McHutchison & Co., Ridgefield, N. J.

CALIFORNIA NOTES

The Furuichi brothers, Los Altos Nursery, Los Altos, held their second annual "Rose Festival of Fashion" in October. Special prominence was given the two 1961 A. A. R. S. award winners, Duet and Pink Parfait, and on display, too, was the new red rose, Ben Hur. During the 2-day event a 5 per cent discount was given for rose orders filed for later delivery.

The Well-Contained Gardener is the name of a new garden supply store opened at Menlo Park. The center sells planter boxes, plants in tubs, potted flowers, planters and garden fixtures and accessories. Co-owners are Alex Miloradorvitch and Mrs. Miriam Petrovo. Mr. Miloradorvitch has been engaged in landscaping and nursery work in Marin county, as well as on the peninsula.

Leslie Mayne, Mayne Tree Service, San Mateo, president of the California Arborists Association, has moved to larger offices at 301 California avenue, Burlingame. He has added to his staff Kay Hall, who resigned a position as parks director at Palm Springs to take over the new assignment as sales manager and

operations director for the Mayne organization.

Charles Perkins, Dr. O. E. Boerner and Charles Cady, all of Jackson & Perkins Co., Newark, N. Y., have been visiting the firm's growing and test areas at Pleasanton and Livermore.

Perry R. Stout, chairman of the University of California department of soils and plant nutrition at Davis and Berkeley and director of the Kearney foundation of soil science, received the Stephen Hales prize award of plant physiology at the recent meeting of the American Association for the Advancement of Science at Oklahoma State University, Norman. He is known for his work on the micronutrient requirements of plants, including such elements as manganese, zinc, copper, molybdenum and chlorine. He is a codiscoverer of the last two as essential nutrients.

Clyde Stocking, former president of the American Association of Nurserymen and well-known San Jose rosarian, spoke on new roses at the November meeting of the Garden Club of Los Altos. Members exhib-

ited arrangements of dried and prepared flowers and fresh roses.

Victor A. Canavese, a senior agricultural inspector at San Mateo, was chosen commissioner of agriculture for the county at a recent meeting of the board of supervisors. He succeeds Max Leonard, who retired last July.

The Glenwood Nursery, 517 Glenwood avenue, Menlo Park, has moved to a new site on the same street and about one block from the old location, where the owners are building an 11-unit apartment building. On the new site are a redwood office and supply room, an open area for the storage of such bulky items as peat moss and fertilizers and a redwood lath house to protect the shade-tolerant plants from the intense sunlight. All of the stock, supplies and plants are fresh stock, everything having been sold at the former location to reduce the cost of moving.

The House of Redwood, owned and operated by William R. Deser, of Redwood City, is expanding its operations from the making of redwood plant containers for ornamen-

WANTED and FOR SALE ADS

Help and Situation Wanted and For Sale Advertisements

Display: \$4.50 per inch, each insertion.

Lines: 40¢ line; minimum order \$4.00.

HELP WANTED

LANDSCAPE SUPERVISOR for Delaware nursery specializing in high-quality landscape work, mostly carriage trade. Applicant must take responsibility for execution of all landscape work (including hiring and firing connected with running four crews and maintenance of four trucks and other related equipment); also prepare bids for some project work. Designing by others. Applicant must be between 35 and 50 years old, interested in permanent association and must have horticultural background in commercial landscape field including: Good knowledge of cultural requirements of ornamental plants, ability to move large trees and experience with execution of large-bid projects. An unusual opportunity in a young growing business in a high-income community. Attractive salary, paid vacation. A. A. N. insurance and home. No rural setting. Apply Box 2708, Wilmington 5, Del.

BUSINESS OPPORTUNITY

PARTNER WANTED

In long and well-established retail and wholesale nursery and garden center in northern New Jersey. Should have experience in all phases of landscape work as well as designing and selling. Present partner wants to retire and sell half interest in the business. Reply to Box 688, care of American Nurseryman.

FOR SALE

Thriving nursery including own pumping plant, hot house, bath house, storeroom, equipment, etc., all clear. Good location in Sacramento, Calif. No nursery within 10 miles. Established 16 years. Full price, \$105,000. No brokers. Reply to:

CARL RICCI
721 Tower Ct. West Sacramento, Calif.

FOR SALE

Used complete greenhouses. Used greenhouse materials, glass, pipe, valves, etc. Greenhouses bought for wrecking.

SEABOARD GENERAL SUPPLY CO.
Elizabeth 4-9041 Waverly 6-0404
1080 Magnolia Ave. Elizabeth, N. J.

HELP WANTED

SALESMEN

Experienced men in the landscape nursery field. Must have background in designing, preparing estimates and selling to builders, architects, contractors and to larger individual homeowners. One of the oldest and finest firms in the Philadelphia area. Send references to Box 765, care of American Nurseryman.

HELP WANTED

MANAGERS AND ASSISTANT MANAGERS
For large modern garden centers in the New Brunswick and Trenton, N. J., areas.

Exceptional opportunities and good salaries for qualified men. Write detailed experience. All replies confidential.

Reply to Box 770, care of American Nurseryman.

FOR SALE

25-acre nursery in heart of Ozarks. Nursery packing and storage buildings, 8-room modern home, propagation greenhouse and other buildings, deep well with pressure system. Located between Rogers and Bentonville, Ark. Total price without stock \$17,000. Stock at inventory if desired. More land with or without nursery stock available. Contact:

WENDELL ROLLER

R. 2, Rogers, Ark.
Phone: ME 6-4790

SITUATION WANTED

Propagator-grower-gardener of herbaceous and woody plant material desires association with nursery, garden center or public garden. Thorough knowledge of hardy perennials, bedding plants, herbs, ground covers and flowering shrubs and trees. Married, age 30, university graduate with major in ornamental horticulture, foreman experience, hard worker, references. Write Box 776, care of American Nurseryman.

FOR SALE

Good opportunity for experienced nurseryman. 5½ acres of land in nursery stock, 21x100-ft. greenhouse and 4-room building, town water. Near Albany, N. Y. 175-ft. frontage on main highway. Buy now and be ready for the spring rush. \$35,000 cash. Firm price. Write Box 777, care of American Nurseryman.

FOR SALE

Retail and wholesale nursery in southern Connecticut, 45 miles from New York city. 24 acres of land, house, two barns and shed. Over seven acres of stock mostly evergreens, finished and lining out. Also equipment and tools. Must be sold to settle estate. Asking price, \$96,000. Write Box 774, care of American Nurseryman.

HELP WANTED

WHOLESALE SALESMAN

One of the east's foremost growers of evergreen nursery stock has attractive offers for qualified, ambitious men. Better than average salary for experienced men with horticultural background. Openings due to increased inventory and need to expand in Pennsylvania and New Jersey markets. Send resume to Box 761, care of American Nurseryman.

WANTED

Salesman covering nursery trade, to represent first-class firm and sell quality nursery stock on a commission basis. Write Box 762, care of American Nurseryman.

WANTED

REPRESENTATIVES CALLING ON LAWN AND GARDEN SUPPLY — DEPARTMENT STORES — GIFT SHOPS

New, exclusive, colorful Hydrocol Planters for indoor and outdoor use. Manufactured by A-1 rated firm. Write attention of:

P. Cardalea, PLASTICRETE
1883 Dixwell Ave., Hamden, Conn.

tal nursery stock to containers for all nursery and flower shop purposes.

Philip Pedersen took over the ownership and operation of the Cloverdale Nursery, Cloverdale, from Mr. and Mrs. Charles Snellgrove.

Miss Gladys Plath, who is associated with her brothers in H. Plath & Sons, at South San Francisco, has returned from a 6-week visit to Hawaii and the adjacent islands.

W. B. B.

NEW BLACK SPOT SPRAYS

[Continued from page 10]

was about a month earlier than usual (in 1958, the first symptoms were noted on July 10). The comparative fungicide treatments were begun on June 10, 1959, at which time there was an estimate of 1 to 10 per cent distribution of black spot over the entire block. Treatments were continued at weekly intervals for eight applications (through July 29). The next six applications were biweekly (from August 12 through October 21).

Application Methods

The sprays were applied with a tractor-type sprayer at about 200 pounds' pressure at the rate of 150 gallons per acre, except the No. 1 treatment, which was at 250 gallons per acre each time. There were four nozzles for the row, the lower two carried about four inches from the ground and directed upward. The upper two nozzles were about 18 inches above the others, and their direction changed to upward as the bushes grew in height. TeeJet D-3 type nozzles were used.

No spray was directed downward to cover the upper side of the leaves, since previous tests disclosed that enough fungicide settles on the upper side if an adequate amount is applied to the lower side for control there.

The dust fungicide was applied with a Niagara rotary hand duster at the rate of about 30 pounds per acre each time.

As evidenced by the record of black spot on July 22, excellent control of the disease was given by most of the fungicides during the weekly treatments. After biweekly applications were started, black spot developed particularly in the plots where there was a lack of sufficient residual action from the particular fungicide being used.

Defoliation increased with lack of black spot control. In the accompanying table the treatments are listed in order of effectiveness, with



BUY DIRECT FROM GOLD STAR XMAS TREE EXPORT CO.



CANADIAN OFFICE:
Antigonish, Nova Scotia
Arthur Gaklis
Telephone: 727

SELECTED

CANADIAN FIR BALSAM

SHIPPING AND GRADING YARDS:

Nova Scotia, New Brunswick and Quebec

QUALITY PACK:

50 to 60-lb. bundles (450 to 500 per carload)

5 to 11-ft. "Single Wraps" (1200 per carload)

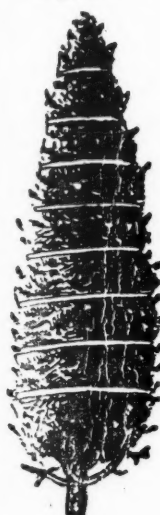
GRADING OF EVERY TREE IS UNDER OUR DIRECT SUPERVISION

EMPHASIS ON QUALITY, NOT VOLUME.

Handcrafted NOVA SCOTIA BALSAM WREATHS also available.

Ontario-Grown SCOTCH PINE, 6 to 8 ft.

CALL, WIRE OR WRITE
Our Canadian Office
For Prices and Details



12 ft.
1 in Each
Bundle



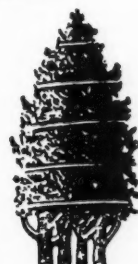
3 ft.
8 in Each
Bundle



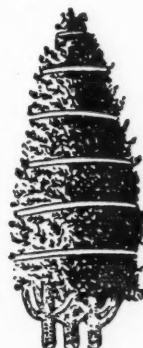
5 ft.
6 in Each
Bundle



6 ft.
5 in Each
Bundle



7 ft.
4 in Each
Bundle



8 ft.
3 in Each
Bundle



10 ft.
2 in Each
Bundle

the best control first. The data are from the weighing of 4,376 bushes in the experiment.

Dilution Results Important

Very important is the result of diluting the fungicide in the No. 1 treatment and applying more spray per acre. While the concentration of fungicide used in the No. 1 treatment was only half of that used in the No. 2, it was planned to use double the volume in the No. 1 treatment, so that the amount of chemical applied per acre would be the same.

It was not possible to slow the spraying machine enough to obtain the double volume with the same pressure, however; so it actually was applied at the rate of only 250 gallons per acre instead of 300 gallons per acre. Therefore, with less fungicide used per acre in the No. 1 treatment, the black spot control was as good as or better than at the normal rate in the No. 2 plots.

The principles of dilution and more volume could be important to

future spraying with compounds such as maneb (Dithane M-22). They should apply as well to home garden use as to field treatment. While this has worked in the case of black spot, it probably would not pertain to spraying for other diseases. The spores of the black spot fungus are held together until wet, and the extra volume of spray probably is important to penetration of the fungicide into the spore mass. Undoubtedly only a small amount of fungicide is necessary to kill the spore once contact has been made. Slow travel of the spray rig to increase the volume of spray application may mean the difference between good and poor results under conditions here.

Three Best

Also significant is the fact that the maneb, phaltan and Cyprex sprays were much more effective than the other treatments. Black spot and its damage were held to a negligible degree by these three spray compounds.

And the weight of the bushes was from 73 to 98 per cent greater than that of the check bushes, which were untreated after June 3. The application of the dust compound resulted in bushes only 44 per cent heavier than the check plants.

The differences probably would have been much more striking had the treatments been started earlier in the season and the checks not given any fungicidal care at all. Lack of residual action was noted especially with the Fermate and glyodin sprays and also with the sulphur-copper rose dust.

Two compounds were discontinued in the experiment. Dyrene (2,4-dichloro - 6 - 0-chloroanilino triazine 50 per cent) was damaging to the foliage, although it gave control of black spot, but it was not considered good enough to warrant trials at greater dilution. Spor-Rid (a phenyl mercury acetate formulation) also was eliminated part way through the season because of poor control of black spot; it had good spread and

clip and mail this
coupon today

SAMUEL CABOT INC.

1121 S. Terminal Trust Bldg.,
Boston 10, Mass.

Please ship _____ pints (12 per case)
@ 50c each

Please ship _____ quarts (12 per case)
@ 75c each

Please ship _____ gallons (4 per case)
@ \$2.40 each

(All prices f.o.b. Boston)

_____ please quote discounts

T.H.P.

to really protect
wounds and
prevent decay



Cabot's Tree Healing Paint is a carefully prepared bituminous paint for protecting live wood and preventing decay. For years, leading arborists and foresters have been using Cabot's because it

- is ideal for painting wounds, cuts, broken limbs
- produces a black, tough, elastic, quick-drying coating
- is made of materials beneficial to trees
- stimulates growth of new bark
- excludes moisture — prevents evaporation of sap
- can be used in any season
- easily applied with paint brush

A quality product from Cabot Laboratories
...manufacturing chemicals since 1877

Samuel Cabot

seemed safe, but had insufficient action against the disease.

Not overlooked was possible harm from repeated use of the same fungicide in its particular plots. The temperatures during the 1959 growing season were lower than normal, so that no harmful accumulation of the fungicides developed, even during the period of weekly applications. (Maximum temperature reached during the season was 97 degrees Fahrenheit.) Cyprex spray did cause a slight yellow spotting of some of the leaves, so more dilution might be desirable for this compound. The alternation of Manzate and phaltan did not appear to be beneficial.

There was only one comparison test with and without spreader-sticker. That was in the No. 6 and No. 8 Manzate treatments, between which there was no significant difference this season.

As would be expected, variations did occur between the results obtained in the four plots of the same treatments. Location in the field, protection from wind at one end, variations in the soil and drainage, number of bushes in the plot (affecting the spacing), etc., all have a bearing. However, an analysis gave significance (5 per cent point) between the averages for weights of bushes where the difference was greater than 0.54 pound per 10 bushes or more than 13 per cent. All of the various treatments that were continued for the full season of 14 applications of the fungicides were consistently superior to the checks.

The most effective treatments resulted not only in larger-size bushes, but also in improved root systems, more extensive and of better spread. These best bushes held leaves well beyond the first freezes in the fall. They also kept better during storage. Darker green color of canes and—with some varieties—a purpling of the outer bark, with the green color retained underneath it, were noted on the best bushes as in previous seasons. Improvement of starch content in the canes was another benefit from the best fungicidal treatments.

NEW sales facilities are being constructed by Armstrong Nurseries, Ontario, Calif., at the intersection of Magnolia boulevard and Coldwater Canyon avenue in the San Fernando valley.

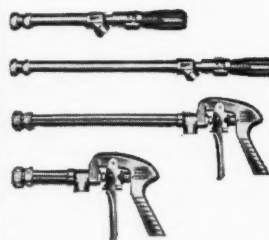
MORE acreage has recently been acquired by the Stone Bridge Nurseries, Route 34, Sandy Hook, Conn. Owners D. and O. Mends are now featuring alpine plants and dwarf evergreens suitable for rock gardens.

SPRAYING SYSTEM CO.

GunJet

SPRAY GUNS

for faster
more effective
tree spraying



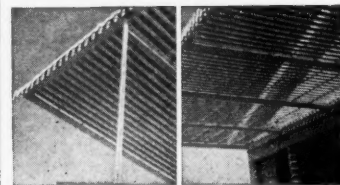
See the complete choice of GunJet Spray Guns for every type of spraying. Interchangeable orifice tips for every chemical and spraying need. For pressures from 30 to 800 psi. Easy to handle, adjust and control.

• for complete information write for Bulletins 65, 69 and 80.

SPRAYING SYSTEMS CO.
3206A RANDOLPH STREET
BELLWOOD, ILLINOIS



ALUMALATH



CONTROLLED SHADE ALL DAY

ALUMALATH is a modern, beautiful, sun-shade material for plant protection or commercial displays. It is used extensively for lath houses, greenhouses, patios, car ports, kennel runs, trailer and home awnings and other needs for ventilated sun protection. Light to support, easy to erect, it has withstood hurricanes and heavy snows. Costs from 21c to 35c per sq. ft.

Write for sample and literature.

ALUMALATH

Box A555
Sunset Beach, Calif.

Educational Program on Herbicides

By Charles H. Potter

The first of seven educational meetings for growers was held October 18 at the Portland Wholesale Nursery Co., Portland, Ore. "Herbicides Used in Nursery Stock," the title of the first program, was handled by Lloyd C. Baron, county extension agent, Washington county; R. L. Smith, county extension agent, Clackamas county, and Dr. R. L. Ticknor, North Willamette experiment station, Aurora, Ore. The information presented during the meeting was gleaned from experiments conducted in plots at the experiment station and various nurseries supervised by the men named above and Ray A. McNeilan, county extension agent, Multnomah county.

Lloyd Baron opened the discussions with a few remarks on the comparative costs of weed control through chemicals vs. manual methods. Figuring the average cost of herbicide application per acre to be from \$3.50 to \$4, he said that it would cost nurserymen of the three counties, Clackamas, Multnomah and Washington, about \$13,000 to cover the entire acreage of nursery stock in the tri-county area. The difference in chemical work compared to hand work, he said, would be about \$200,000 for nurserymen. Most of today's herbicides, said Mr. Baron, originated from experiments in weed control for corn crops in Switzerland.

R. L. Smith reported on the various chemicals used in weed control experiments by the experiment station and the three county agents told of chemicals used on test plots in nurseries. Atrazine, Mr. Smith stated, costs about \$3.65 per pound for 80 per cent wettable powder and it is applied in quantities of from two to four pounds per acre. Its action is that of a contact killer and a mild soil sterilant. Some nursery crops, he said, may be sensitive to the material, but he rated the potential as excellent.

Before proceeding, he reminded growers that chemical weed control is a tool, not a cure-all. There is a difference, too, between control and eradication, he said. He cautioned nurserymen to check carefully the effects of certain chemicals which

deluxe stainless metal

CHRISTMAS TREE

with revolving musical

MUSIC 'N MOTION BASE



- Almost a full 7-foot tall with 69 beautifully trimmed branches.
- Precision motor revolves at perfect $\frac{3}{4}$ R.P.M.
- Music box chimes your favorite Christmas carols.
- Revolving motion operates independent of music.
- Quality construction throughout for season after season of holiday beauty and pleasure.
- Fully guaranteed . . . all parts U.I. Approved.

Before You Buy . . .

CHECK THE FEATURES • CHECK THE PRICE

Call Collect to Mr. J. J. O'Hara for RUSH shipments

REVERE TRADING COMPANY 756 N. Milwaukee Ave.
CHICAGO 22, ILLINOIS • CHesapeake 3-8881

PLANTERS

Large-Size, Long-Lasting Tubs

Approximately 15 ins. deep, 25 ins. at top, 20 ins. at bottom. Made from used whiskey barrels. Available painted or unpainted, to wholesalers and retailers.

Write, Wire or Call:



LOUISVILLE COOPERAGE CO.

421 W. Avery St.

Phone: Melrose 7-4711

Louisville 8, Ky.

THERE'S A *Cyclone* FOR ALMOST EVERY SPREADING AND SEEDING JOB



See Your Distributor
or Write Us
for Further Information

CYCLONE LAWN SPREADER (left). Famous for speed, freedom from streaks, accuracy. Covers a 6 to 8-ft. swath. Feathered edge prevents streaking. As little as 4 ounces of pesticides per 1000 sq. ft. may be spread with absolute accuracy.



NEW, BIG CAPACITY CYCLONE SPREADER (left). For accurate, precision spreading of herbicides, insecticides and other pesticides, pelleted and granular fertilizer, seed, lime, ice melters, etc. Hopper capacity, 200 lbs. Tapered edge spread eliminates skips and overlaps.



NEW, MODEL 20 CYCLONE SPREADER (left). For fast, precision spreading of pelleted and granular fertilizer and chemicals . . . also seed. Capacity 3 gals. or approximately 20 lbs. Rate chart lists brand names and gauge settings for recommended applications—4 oz. per 1000 sq. ft. to 375 lbs. per acre. Shield protects operator. 5 to 8-ft. spread. Ideal for seeding small lawns.

FAMOUS CYCLONE HAND SEED SOWER (right). Accurately and quickly distributes all smooth grass seed and grain, pelleted and granular fertilizer. Exclusive double-oscillating feed. Instant shut-off.

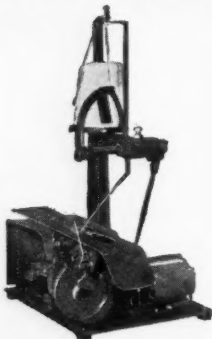


THE CYCLONE SEEDER CO., INC.

Urbana 65, Ind.

NEW FELINS AUTOMATIC TYER FOR TYING NURSERY STOCK — CUT FLOWERS

Fast—Efficient—Rugged



Model F-6-N

- Geared to 80 ties per minute.
- Adjusts automatically to any size bunch up to 19 ins. in circumference.
- Places a uniform tie around a bundle making a firm nonslip knot.
- Lightning fast. Ties roses, glads, seedlings, cut flowers, as well as any other type nursery stock.
- Uses cotton twines 3 to 24-ply, tapes and braids, fine sisal and jute.
- **WRITE FOR CIRCULARS AND PRICES NOW.**

FELINS TYING MACHINE CO.
3351 N. 35th St.
Milwaukee 16, Wis.



Learn

PROFESSIONAL LANDSCAPING

Easily & Quickly
AT HOME

INCREASE YOUR EARNINGS by rounding out your operations! More and more nurserymen are discovering that a thorough knowledge of professional landscaping—now taught you at home by my new Simplified Methods—pays big dividends in increased sales. Complete training, in residential and commercial landscaping, in horticulture—in the growing, propagation, use and maintenance of ornamentals. Latest information on everything new—new propagation methods, latest insecticides, gibberellic acid, and modern landscape designing. Our training program used by hundreds of nurserymen coast to coast in training and upgrading employees. Plant lists and specialized information for all sections. Attractive diploma and lifetime consultation service for all graduates. **Send for FREE Booklet.** Air mail reaches us overnight.

NATIONAL LANDSCAPE INSTITUTE Dept. N-110A, 11826 San Vicente Blvd., Los Angeles 49, Calif.

might be used on soil where food crops are to be grown later and he reminded them of the disaster which hit the cranberry industry last year through use of a chemical which was not authorized for food crops.

Conditions Affect Weed Control

A number of things affect weed control, Mr. Smith continued, including the difference in application methods, the type of material used (granular, powder, etc.), the type of weeds being fought, the kind of crop at hand, air temperature, soil temperature, soil type (heavy, light, etc.) and soil moisture. He warned growers to be sure to calibrate carefully the amount of material used, distinguishing between a pound of product and a pound of actual chemical. Never, he advised, use twice the amount of an herbicide, thinking that if the recommended dosage is good, twice as much or more would be better.

Dalapon, 85 per cent wettable powder, costs \$1.39 per pound, and quantities of two to four pounds per acre were used in the experiments. (Note: Prices given were average in the Portland, Ore., area.) The action is systemic, the chemical being absorbed through the foliage. It has the limitation of poor residual effect where rainfall is considerable. He listed its potential as limited.

Simazine, 80 per cent wettable powder, costs \$2.80 per pound and the 4 per cent granular, 45 cents per pound. From one to four pounds per acre is required, and the action is that of a selective, mild, soil sterilant. It needs a moist, firm, weed-free surface, working only on germinating weeds. Its potential is excellent.

ATZ (amino triazole) costs \$2.50 per pound for 50 per cent wettable powder. Four pounds per acre is used. The action is systemic, and good control was experienced on thistle, horsetail and quack grass, he stated, and it can be used in combination with Karmex, simazine or dalapon. Using a spreader-sticker with it causes better coverage and results, stated Mr. Smith. This material is nonselective and slow acting. Its potential is good.

Karmex (Diuron), 85 per cent wettable powder, costs \$3.60 per pound, and from one to six pounds per acre is required. Its action is that of a mild soil sterilant. It is not effective on established weeds. A moist, firm seedbed is needed for good results. It has a good potential.

Eptam costs \$26 per gallon, which contains six pounds. Five per cent granular costs 38 cents per pound.

MENNE-POTS

Nurserymen Prefer...

MENNE-POTS

Size 0 Top ....4" Bottom 3 1/2" High 4" Weight per 100 Reg. 10 lbs. Heavy 25 Regular Weight 100 \$2.75 1000 \$25.00 Heavy Weight 100 \$3.75 1000 \$35.00	Size 3 Top ...8 1/2" Bottom 6 1/2" High 9" Weight per 100 Reg. 30 lbs. Heavy 70 Regular Weight 100 \$5.00 1000 \$47.50 Heavy Weight 100 \$6.75 1000 \$65.00
Size 0 1/2 Top ....5" Bottom 4" High 5" Weight per 100 Reg. 13 lbs. Heavy 30 Regular Weight 100 \$3.50 1000 \$32.50 Heavy Weight 100 \$4.50 1000 \$42.50	Size *4 Top ....10" Bottom 8" High 10" Wt. per 100-120 lbs. 100 \$11.00 500 \$52.50 1000 \$100 *Heavy Only -- For trees and shrubs
Size 1 Top ....6" Bottom 5" High 6" Weight per 100 Reg. 15 lbs. Heavy 35 Regular Weight 100 \$4.00 1000 \$37.50 Heavy Weight 100 \$5.25 1000 \$50.00	Size *5 Top ....12" Bottom 10" High 12" LG POT Wt. per 100-250 lbs. 20 30c ea. 100 \$27.50 500 \$125 1000 \$225 *For extra-heavy trees, large shrubs
Size 2 Top ....7" Bottom 5 1/2" High 9" Weight per 100 Reg. 24 lbs. Heavy 55 Regular Weight 100 \$4.50 1000 \$42.50 Heavy Weight 100 \$6.25 1000 \$60.00	Size Pan Top ...8 1/2" Bottom 7 1/2" High 5" PAN Weight per 100 Reg. 30 lbs. Heavy 70 Regular Weight 100 \$5.00 1000 \$47.50 Heavy Weight 100 \$6.25 1000 \$60.00

SUPERIOR STRENGTH

Rugged construction gives you a better pot! Withstands rough handling . . . will not break apart.

DRAINAGE

Unique side drainage feature makes water-logging impossible . . . no worry while pot stands in yard!

LIGHT WEIGHT

Easy to handle . . . economical. Light weight cuts shipping costs. Menne-Pots save you money!

COMPLETELY ASSEMBLED

Stapled Bottom . . . Menne-Pot can be used immediately! No waste "set-up" time. No heating.

Menne-Pots Help You Sell!

SEND
FOR YOUR
SAMPLE SET
OF
MENNE-POTS
TODAY!

Customers prefer nursery stock in Menne-Pots because of handling ease and they can be carried in a car without dirt or muss. Menne-Pots are perfect for merchandising roses, shrubs, trees, annuals, perennials, etc. . . . in full flower . . . and all season!

MENNE - POTS INC., N. TONAWANDA, N. Y.

Please send me complete sample set of Menne-Pots and Menne Peat Pots. I enclose \$1.50 AN 11-15

Name
Address
City Zone State

*MENNE-POTS shipped F.O.B.
North Tonawanda, N. Y.

MENNE-POTS
NORTH TONAWANDA, N. Y. NX 3-4444

and 10 per cent granular costs 58 cents per pound. Five pounds per acre are required, and its action is that of a mild soil sterilant, affecting the germinating seeds. Its limitations are that it is easily volatilized, and is erratic in action. The potential is limited.

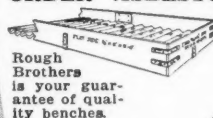
Test Plots

Dr. Ticknor remarked that demonstration plots are necessary in order to test the various tolerances of nursery plants to the different materials used. He said that soil type is important in the influence of these chemicals, as is soil temperature. He cited, as an instance, the good results with neburon in California on roses but the poor results in the northwest where soil types and temperatures are different.

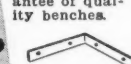
The test plots in the three counties were donated by various nurseries and were chosen according to the differences in soil and weed problems. These plots make it possible to test the materials on various specialty crops. Different conditions of moisture, too, test the limitations and possibilities of the various materials. Also, said Dr. Ticknor, when growers see the results, it convinces them of the effectiveness of chemical herbicides. The plots also make pos-

LOW COST GREENHOUSES
ALUMINUM • PLASTIC • WOOD •
CLEAR SPAN ANY STYLE ANY TYPE
Rough Brothers

ORDER ASBESTOS BENCHES NOW!



Durable—Long Life—Eliminates Fungus Growth—Will Not Crack When Sterilizing



BENCH HARDWARE — Angles — Corners — Sides. Heavy-gauge galvanized metal shaped to slip over sides and corners firmly. Sides 1/2" and 1/4" in. thick — 4 and 6 ins. high. Angles 1/2"x1/2" in.—size 4x5 ins. Write for information on Bench Hardware!

4229 Spring Grove Ave., Cincinnati 23, Ohio

POLY-TAINERS
For Growing Quality Nursery Stock
PRACTICAL—ECONOMICAL—EVERLASTING
SEND \$1.00 FOR COMPLETE INFORMATION AND SAMPLES.
Native American Holly Farms
115 S. Penn St. Manheim 10, Pa.

Kill Weeds QUICKLY
JET TORCH
Has over 99 farm uses. Burns 1 hour on 2 1/2¢ worth of kerosene. Disinfects livestock quarters. Destroys weeds, stumps, splits giant rocks, irrigates. Burns 6% kerosene, 94% air. Endorsed by agricultural experts. Write for free descriptive literature today.
SINE, AN 2, Quakertown, Pa.

sible tours whereby groups of growers can see the results obtained under a variety of conditions.

Demonstration plots are set up on a small basis and they are placed in prominent places at the edge of the fields, where they are accessible. All chemicals used, he said, are weighed to be sure of accuracy.

Band spraying, Dr. Ticknor continued, is fine for annuals. However, it is not a good idea for the control

of root-increasing weeds, such as quack grass.

Lloyd Baron summed up the evening's discussion by stating that much promise in chemical weed control is shown, but he warned growers not to go whole hog on the idea. He advised them to go easy at first, for much research must still be done in the field.

Mr. Baron stated that good surface soil moisture and well-worked

A Word to the Wise!

RANDOM RAYON FLOCK

USERS

are changing to

CLAREMONT'S

New C-10

THE PREMIUM QUALITY

SNFLOCK

THAT CUTS

20%

**off your
production costs
and upgrades
product quality!**

**SEE YOUR CLAREMONT
FLOCK JOBBER**

—or write

CLAREMONT FLOCK CORP.

Midwest Warehouse and Office
1440 N. HALSTED ST., CHICAGO, ILL.

Plant and Executive Offices
CLAREMONT, NEW HAMPSHIRE

soil, minus clods at the surface, are necessary. He advised that a minimum of 40 gallons of water per acre be spread over the materials evenly. It is important, he said, to use the exact amounts of chemicals recommended and the soil must be weed-free at the start. He also advised that growers use the minimum amount of chemical with which control can be obtained, for not too much is known about the possible build-up of some of the chemicals in the soil.

Further meetings will be held the third Tuesday of each month from November to April inclusive.

TEXAS ROSE FESTIVAL

[Continued from page 12]

show was primarily a display of massed rose blooms.

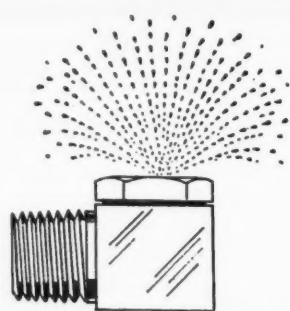
Along one wall were niche arrangements entered in competition by some of Tyler's many garden clubs. The over-all theme for the niches was "Portraiture of a Queen," but subthemes were given to the four groups of niches. The first two arrangements, on the theme, "Royal Art of the Rose," featured the 1961 All-America Rose Selections award winners, Duet and Pink Parfait. Duet roses were arranged against a spike of canna leaves in a white marble pedestal container. Pink Parfait roses were accented by barberry foliage and coleus, with the entire arrangement set in an oval gilt frame.

Royal Symbols

Five niches were devoted to the theme "Royal Symbols." One of these arrangements won the tricolor award for the entire show. It featured the orange-red blooms of Mojave roses and Scotch broom sprayed gold, in a crescent arrangement in a gold, goblet-shaped container. A small model of a royal coach drawn by horses was the accessory used.

Other entries in this class were arrangements of yellow Eclipse roses in a gold goblet, with a silver coach for accent; Eclipse roses in a gold pedestal vase, with a gold and white heraldic shield for background; yellow Golden Showers roses and English ivy in a crescent shape in a brass pedestal container, with a round brass shield set into the roses as the accessory and yellow roses combined with coleus and dried materials.

Five niches were in the section entitled "Royal Array." A Hogarth curve arrangement in a gold-sprayed goblet was done with deep red Etoile de Hollande roses, Scotch broom and lacy leaves sprayed gold. A gold crown was used as an accessory. An-



Pictured above is the Monarch fig. 629 nozzle. It has 1/4-in. male pipe thread and throws 3.8 gallons per hour at 40 lbs. It is the core of the most efficient outdoor propagating system, as well as greenhouse humidification.

5 nozzles, postpaid	\$ 5.00
12 nozzles, postpaid	11.00
100 nozzles, postpaid	80.00
Tork 24-hour on/off clock	11.95
Tork cycling clock, 1-minute or	
30-second adjustment	29.95
Solenoid valve, 110v 3/8-in.	23.00

Also strainers, larger valves and other types of nozzles. Booklet upon request, showing many uses for fog.

Postage prepaid—check with order, please. Satisfaction guaranteed.

Mist-O-Gation, Inc.

Dept. A

Middletown, Del.

Universal Ground Anchors



Were created knowing that a device should be developed which would provide satisfactory ground anchoring facilities in all types of soil.

This ground anchor is the result and can be used in practically any soil. It may be quickly and easily installed and is very efficient. Send for brochure.

BARTLETT MFG. CO.

3058 E. Grand Blvd., Detroit 2, Mich.

other arrangement with a crown for the accessory was also done with Etoile de Hollande roses, but for foliage there were Scotch broom sprayed a glistening green and short-needed evergreen tips, all in a green pedestal vase.

Crown jewels of topaz and diamonds were featured along with yellow Sutter's Gold roses in a Hogarth curve arrangement. The container was of brass, and the foliage was Scotch broom sprayed gold. Gilded magnolia leaves formed the background lines for an arrangement of Pink The Doctor roses, with the accessory a tiny gold figurine of a queen. A doll queen accented the arrangement of Sterling Silver roses in a gold goblet with Scotch broom and heather sprayed gold.

Five more arrangements completed the niche displays, and these were in a class called "Royal Retinue." An arrangement designed with much ingenuity was the center of attraction for most of those who studied the niche arrangements. Done by Mrs. E. W. Lyle, wife of the pathologist of the Texas Rose Research Foundation, it was entitled "Royal Horse Guard."

For roses, she used the relatively new climbing rose, Don Juan, a velvety dark red with large double blooms, and Japanese yew for foliage. The accessory was a helmet of the royal horse guard, ingeniously contrived from an inverted sterling silver tureen with a silver salt shaker atop it, from which cascaded on either side pale yellow yarn simulating horsehair. The same material was braided for the chin strap.

Another in this class was "Floradora Minstrel," a mirthful arrangement of bright red Floradora roses against a red, white and blue background in a diamond design, with a court troubadour dressed in the same design and colors for accessory. "Court Dancer" was depicted by a ballerina figurine of gold beside a vertical arrangement of deep red Mirandy roses and green and gold foliage in a goblet of gold.

The red grandiflora rose, Roundelay, was featured in an arrangement titled "Command Performance." At the base of the arrangement were begonia leaves, while pussy willows with the stems gilded were used for the line material extending above the roses. Placed against the roses was a gold and ruby-incrusted figurine of a Siamese dancer. Completing this section of niches was an arrangement of Mirandy roses.

In an adjoining room was a rose variety display staged by Dr. E. W. Lyle, pathologist for the Texas Rose



Everyone's Talking About It!

**UNION'S
PLASTIC
HOURLASS
PLANTER**

**THE NATION'S MOST
COMPLETE LINE
OF PLASTICS
FOR HORTICULTURISTS**

WRITE FOR PRICES!

UNION PRODUCTS, INC.
LEOMINSTER, MASS.

INCREASE SALES 100%

Don't Keep Your Customers Waiting for information about your stock. These self-selling plastic labels give all the information your customer wants — creating additional sales while you are busy.

We have the largest selection of horticultural subjects on plastic labels anywhere. Available in two types: (1) Over 800 varieties illustrated in full color; (2) over 600 fully descriptive labels with large, readable type.

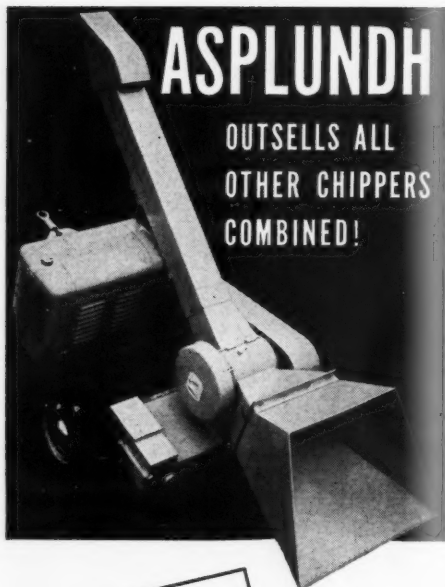
SHOW IT and SELL IT — HIDE IT and KEEP IT
ASK FOR FREE SAMPLES AND CATALOG

GROWERS & MANUFACTURERS EXCHANGE

8434 S. Rosemead Blvd., Rivera, Calif.
Phone OXford 9-0711

No. 3 Container-Marker (picture and holder). Holder is 27 inches high. Prongs at bottom prevent turning in the wind. Use for salesyard display.





ASPLUNDH

OUTSELLS ALL
OTHER CHIPPERS
COMBINED!

WHY?

... because only ASPLUNDH
gives you ...

Fastest Chipping Action

—by actual test, it's the fastest chipper made.

Minimum Maintenance

—simpler design and fewer moving parts than any other chipper. Means less down time.

Absolute Safety

—blades are tapered and wedged.

Bulk Feeding Area

—permits larger bulk and larger limbs ... up to 6" diameter.

Quick Blade Change

—easy access and simplicity of service.

Telescoping Draw Bar

—couples quickly and easily to various towing vehicles.

Easy Towing

—lower center of gravity, perfect tracking.

Your ASPLUNDH dealer will welcome a side-by-side performance test. Compare—point by point—and you'll see why buyers prefer ASPLUNDH CHIPPERS 4 to 1.

ASPLUNDH CHIPPER COMPANY

501 York Road, Jenkintown, Pa.

By Actual Test the Fastest Chipper Made



Write today for
complete information.
Ask for prompt,
FREE
DEMONSTRATION.



KILLS WEEDS

R-H Granular
Weed Rhap-20
Kills Lawn Weeds
Water Weeds
Cornfield Weeds

Ready-to-Use!
Dealers Wanted

REASOR-HILL CORPORATION
Box 36 AN, Jacksonville, Ark.

CUSTOM BUILDERS For SPECIALIZED EQUIPMENT

Write for catalog.
NURSERY EQUIPMENT CO.
Maple Plain, Minn.



KING FISH

"Organico del mar"
Nematode control
Better roots—Healthier plants
Immediate action as a foliar spray.
K. C. MATTSON CO.
2460 N. Chico Ave., El Monte, Calif.

1 gal. to
2½ bushels

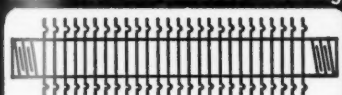
big BAS-KITS

RD 1, NEW HOPE, PA.



ALUMINUM SUN-FIN RADIATION

Ideal for Greenhouse Heating



**EASILY INSTALLED
IT WILL NOT RUST**
Descriptive literature and
prices sent on request

SUNDERLAND PIPE SHOP
4302 Woodland Ave., Kansas City, Mo.

SOIL-HEATING CABLE BARGAINS

16 years of experience are back of the new Gro-Quick all-purpose units. When germinating seed or rooting cuttings there is no substitute for bottom heat.
34-ft. unit for approx. 12-sq.-ft. bed \$4.95
49-ft. unit for approx. 18-sq.-ft. bed \$6.45
99-ft. unit for approx. 36-sq.-ft. bed \$9.95
Prices are ppd. and include 70-degree built-in soil thermostat. Money-back guarantee. 6-ft., 15-watt cable only for 1½-sq.-ft. flat, \$1.00.
GRO-QUICK MFRS., 355 W. Superior St., Chicago 10.

Peat Pots — Labels — Plant Bands

Vaughan's

Seed Co.
Send for our catalog.
601 W. Jackson Blvd. Chicago 6, Ill. 85 White St. New York 13, N. Y.

BEGINNING IN THE NURSERY BUSINESS

By John J. Pinney
Articles from the American Nurseryman: Retail salesyards, landscape nurseries, garden centers, mail-order nurseries, agency nurseries, container stock, financing and keeping records. 64 p. (1958) \$1.00
AMERICAN NURSERYMAN
343 S. Dearborn St. Chicago 4, Ill.

Research Foundation, and Everett Janne, pathologist for Consolidated Rose Nurseries. A peninsula of massed roses filled the center of the room. Around the walls of the triangular-shaped room were two tiers of glass vases, each vase filled with six to a dozen blooms of a different variety of rose grown in the Tyler area, with the roses shown in all stages of bloom, from tight bud to full bloom. At the base of each vase was a card showing the name of the variety and, if it had been an All-America Rose Selections award winner, the year it was so selected. The varieties, arranged as to type and by color within each type, were representative of grandifloras, polyanthas, climbers, hybrid perpetuals and hybrid rugosas, as well as of hybrid teas and floribundas.

After viewing the rose show, visitors had only to walk out onto the veranda and down a flight of steps to the Tyler Municipal Rose Garden, where 375 varieties of roses are grown in concrete-edged beds arranged in geometric design around pathways, lawn areas, pools and fountains. Eight beds are devoted to roses yet unnamed and known only by number. Some of these have been entered in All-America Rose Selections field trials and may be future A. A. R. S. award winners. The A. A. R. S. rose test garden is located on the L. A. Dean estate.

Once a demonstration field of 150 x 200 feet, with lawn panels flanked by rows of new rose varieties being developed by Tyler nurserymen, the greatly expanded Municipal Rose Garden now covers 20 acres and features the patented roses introduced over the years by Tyler firms. There is also a miniature rose garden, and one of the most unique varieties there is Rosa chinensis viridiflora, the green rose.

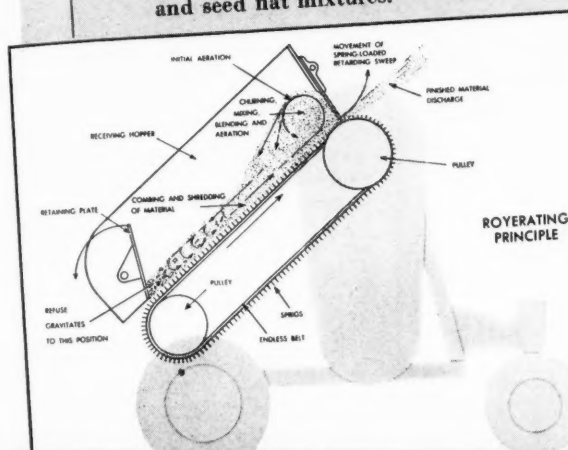
During each festival several different commercial rose fields are open to the public. Two tours were offered this year, either by chartered buses that left the rose show building hourly or by one's own automobile, along arrow-marked routes. One tour went to the display gardens of the Arp Nursery Co. and then on to some of Arp's fields of 400,000 bushes. The other tour went to fields owned by Charles Eikner, W. B. McGinney and Vermay Nursery Co.

Rose Parade

Twenty rose-bedecked floats bearing the rose queen, the ladies of her court and other pretty girls, 19 marching bands, four baton-twirling units, 17 mounted and four marching or dancing drill units and dozens of clowns were but some of the fea-

Roy'er·ate, v.;

1. To shred, mix, blend, aerate and remove undesirable materials.
2. In Nurseries, for preparing canning and seed bed mixtures. To save time and labor at lowest costs.
3. In Green Houses, for processing potting and seed flat mixtures.



Write for complete details on "Royerating" and our entire line of Shredders. We make 21 professional belt shredder models—capacities from 5 to 150 cu. yds./hr.—hand-shovel or mechanically-fed—gas or electric drive.

A Royer Shredder has a place in your operation. Use the coupon for details.

Send these bulletins:

- ☐ #24P Shredders for Floriculture-Horticulture Use
- ☐ #NS-59 Shredders for Hand-Shovel Fed Operations
- ☐ #S-60 Shredders for Mechanically-Fed Operations
- ☐ #25P Shredders for Processing Sewage Sludge
- ☐ #23P Shredders for Turf Conditioning Materials
- ☐ "Would You Pay \$1.00 for a Bag of Leaves?"—an interesting story of what can be done with composted leaves.

Name _____

Company _____

Address _____

City _____ Zone _____ State _____

☐ I'd like to see a Royer Shredder demonstrated.

ROYER

ROYER FOUNDRY & MACHINE CO.
182 PRINGLE STREET / KINGSTON, PENNA.
EXPORT DEPARTMENT: 10406 South Western Avenue, Chicago 43, Illinois. Cable: ASMAN

tures of the 2-mile-long rose festival parade Saturday, October 15.

Police estimated that about 100,000 persons lined the parade route and another 14,000 filled Rose Stadium where the 2-hour spectacle had its finale. Preceding the parade was an hour-long show in the stadium by drill units, bands and clowns. The parade is planned and conducted by an organization of local businessmen known as the Strutters.

Reversing its traditional position as last float in the parade, the rose queen's float this year came first. Queen Carol Dean rode atop the white-petaled structure that was blanketed with red and pink roses, with gold bands encircling the lower level. Miss Dean was seated on a throne topped with a large glistening gold gown, and the throne was placed on a plateau of roses held by a trestle over the lower level of the float. She wore her magnificent coronation gown and carried a jeweled scepter tipped with her chosen rose, Pink Parfait. In front of her on the lower level of the float sat her two young attendants, her younger sister, Betty, and her cousin, Lelia Kidd.

The task of decorating the queen's float, performed for the past 10 years by volunteers from several Tyler ladies' organizations, was simplified

REDWOOD STAKES
Highest Quality • Lowest Prices
ALL SIZES
IMMEDIATE SHIPMENT
NURSERY FLATS
Write or call for information:
TED H. OLIVER & SONS
1226 W. 196th St. • Torrance, Calif.
Phones: DA 3-5340 — FA 1-2214

this year by use of a new system whereby roses were stapled, with stems and foliage intact, to pressed board instead of being pinned by hand to wet cloth.

Distinguished officers and guests of the festival rode in 1961 convertibles and were comically escorted to their boxes by some of the clowns. They included several nurserymen and their wives, Mr. and Mrs. L. A. Dean, Mr. and Mrs. Vincent K. Bailey, and Mr. and Mrs. L. J. Hilscher, Fort Worth, Tex.

After the queen's float came two identical floats bearing the princesses and ladies-in-waiting of her court. These floats were trimmed in pale green and yellow with baskets of pink roses at either side of three yellow papier-mache arches twined

DARLING'S
"Rite in the Rain"
WATERPROOF
TREE AND PLANT LABELS
"Rite In the Rain" labels are not just another paper label. They are made of tough tagboard and chemically treated to make them waterproof. Ordinary pencil markings do not wash off. These are longer lasting yet low-cost labels. Millions are used every year by nurserymen.
Write for samples and prices.
J. L. DARLING COMPANY
BROWN'S POINT, TACOMA, WASH.

with pink roses, under which the girls sat. All wore their coronation pageant costumes of biege to gold shades with trains of Chinese silk in tones of orange to red.

Growers' Float

Next came the rose growers' float of four tiers of soft green and red, with red roses on each tier. Wearing a red gown, Mary Ellen Moore, the Tyler rose growers' duchess, rode atop this float. Hanging on either side of the arch against which she sat were gilded scrolls and swinging trays covered with red roses. These four floats remained in the center of the stadium to review the rest of the parade.

Next came the service club floats, with a marching band or drill unit



THIS BIG HAND TRUCK Will Save You Money

Handle heavy jobs easier, faster, with fewer men. Get into places otherwise inaccessible to heavy equipment, without damage to established lawns.

HANDLES 40-INCH BALL
1500 LBS.

Write for folder giving details and prices.

We Make
3 Sizes
of Trucks

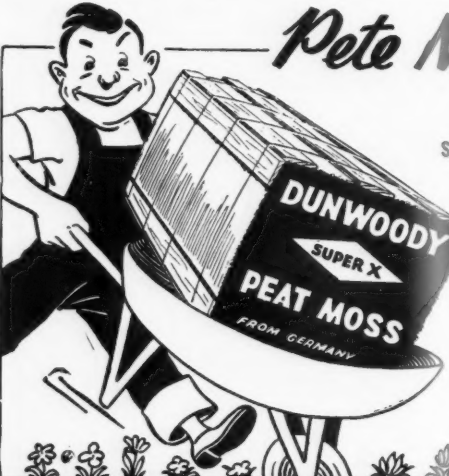
THE GARDEN SHOP, INC.

Box 51

Overland Park, Kan.

Phone: Niagara 2-4838 (Kansas City, Mo.)

Built to
Handle
B&B
Material



Pete Moss

**SAYS TO ALWAYS CONTACT
DUNWOODY WHEN YOU
NEED PEAT MOSS. WE
HAVE BEEN SERVING
THE TRADE WITH
QUALITY PROD-
UCTS FOR OVER
110 YEARS**

EZL. DUNWOODY CO.

ESTABLISHED 1849

1737 Chestnut St.
Philadelphia 3, Pa.

ROOTSPRED TREE PLANTERS

Tree planters take a beating. Be sure you are getting a good guarantee, good design and careful workmanship before you buy. Our M-55 at only \$275 features compact, sturdy design, most comfortable planting position, no adjustments or superfluous parts to get out of order. Nonclogging scalpels available for some models. Write for details.

ROOTSPRED
St. Petersburg, Pa.

"MISTER 100"

MIST PROPAGATION NOZZLE—finest ever developed — wide coverage — flat plane of mist. Spaced 3 ft. apart — drilled and tapped holes — 1/4-in., 1-in. or larger pipe. Sample postpaid \$1.00. Satisfaction guaranteed. Send for your sample today.

WHITESHOWERS, INC.
17514 Woodward Ave. Detroit 3, Mich.

Mention The American Nurseryman when you write.

PERFECTION MARKERS ARE BETTER

for Park Trees, Display Gardens, Field use or Greenhouse Pots or Benches. Proven by thousands of users and every one a booster! You'll like them, too. They will stand for years at one marking, or may be changed any number of times for various markings. Send for catalog and prices of the complete PERFECTION LINE.

The S-W Supply Co., D. 33, Girard, Kan.



**Florist & Nursery
SIGNS**

For literature and prices, write GROWERS SIGNS, Tallmadge, O.

following each float. Three arches of green trimmed with red roses were frames for the young ladies who rode the green chamber of commerce float. Each of the arches was labeled to denote one of Tyler's three main industries, roses, oil and metals. The girls, dressed in white and pale blue ball gowns, carried sheaf bouquets of pink roses.

The Rotary International float was of blue trimmed with yellow roses and was ridden by three girls in bouffant white dresses carrying nosegays of yellow roses. The Lions Club float featured a papier-mache lion surrounded by five girls on a float done in purple and yellow. The Odd Fellows' float depicted three scenes, an orphans' home, an old folks' home and a garden scene. All the lettering was done with live roses, as was the garden. The rear of the float was made of two tall fan-shaped trellises on which climbed roses of red, yellow and pink.

"Miss Tyler of 1960" rode the Jaycee float and held a sheaf bouquet of red roses. Dressed in white, she sat against an arch of white trimmed with red roses, and the base of the float was decorated in fuchsia and white. An abstract design of a rose garden featuring a large K in a circle was the float of the Kiwanis Club. It was of white, edged in yellow and gold, with pink roses, and the girls riding it were dressed in pink and blue. Two young couples rode the 4-H Club float of green trimmed with red roses, which displayed the club's emblem in gold and white. One girl carried a sheaf bouquet of red roses and the other yellow blooms.

Floats for Duchesses

Next came a section of 10 topical floats, headed by one ridden by last year's rose festival queen, Elizabeth Byars. She sat on a white and gold balcony trimmed with bowls of yellow roses. The duchesses in the queen's court rode the rest of the floats and wore their coronation pageant costumes. A small dark blue barge with a pink petal top, floating on a light blue river, was the "Festive Barge" float that carried duchesses dressed in silver and blue.

"Frame and Pedestals" was the title of a float covered in white and trimmed with red, pink and yellow roses. Wearing ruby-red gowns, the girls sat in gold frames decorated with red roses or on rose-trimmed pedestals faced with gold. "Arabesques of Spain" was the title of a float whose colors were turquoise blue and silver gray. The central motif was a heart set in Moorish de-

Inferior Root Protection Driving You Nuts?

Ease your mind, temper and pocketbook —
package to protect with low cost Thilco

SPECIAL NURSERY WRAPS



There's no safer, more economical method for packaging plants and shrubs than to wrap with these moisture preserving Poly-Coated, Asphalted or Waxed paper grades. Besides insuring plant and shrub root survival, they also effect decided savings in shipping costs. Available in rolls, sheets, tubes and bags, these papers can now be ordered in "small nursery" quantities — and furnished PRINT-DECORATED with name, trademark, or instruction information for just a few cents extra.

NURSERY WRAPS FOR EVERY WHOLESALE-RETAIL NEED

- POLYETHYLENE COATED KRAFTS
- WAXED AND WAX-TREATED KRAFTS
- ASPHALT LAMINATED KRAFTS
- DUPLEX COMBINATION WRAPPINGS
- STRONG, FLEXIBLE, CREPE COMBINATIONS
- VENTILATED, TIE-STRIP BULB BAGS
- POLY-COATED SEED PACKETS
- CUSTOM GRADES FOR EVERY NEED
- RETAIL SALE COUNTER ROLLS —
- PRINT DECORATING — ALL GRADES AND BAGS

WRITE FOR FREE NURSERY WRAP SAMPLE KIT



Thilco

Functional Papers

THILMANY PULP & PAPER COMPANY
KAUKAUNA • WISCONSIN

... Direct to mill or any of these sales offices

NEW YORK • CHICAGO • DETROIT • BOSTON • CLEVELAND • CINCINNATI • CHARLOTTE

sign, and spiral-like trees along the sides of the float were hung with gold tinsel resembling Spanish moss. Red roses twined over the center arch. The girls wore gowns in shades of blue to blend with the float.

A bright orange and yellow float, called "Souvenir de Paris," featured an orange and black windmill, with white roses climbing up the mill. The girls riding the float wore gowns of gold, yellow or orange. "The Mill Wheel" float, in lavender and purple, was trimmed with pale pink roses, except for the white roses that banked the bluish stream of water coming down from the replica of the wheel.

Minarets twined with Talisman roses and a pagoda made of yellow roses were the features of a float called "Pagoda Minarets," which was done in two shades of green. A crescent moon ridden by one of the duchesses was the center of attraction of the "Yellow Crescent" float. The black float was trimmed with yellow roses, and all the girls riding on it wore gowns in shades of gray to black.

A white float with vases of pink roses was entitled "Vases on Garden Walls." Last came a float of deep blue and silver featuring a chariot drawn by two prancing horses driven

CUT CHRISTMAS TREES PREMIUM SCOTCH PINE

- Pruned for 5 years
- Excellent color
- Plantation-grown

Truck or carloads.

Shipping for 10 years to Ohio and Michigan nurserymen.

FISHER TREES LTD.

14 Marla Crescent

London, Ont., Canada

Phones:

London, Ont.

Chatham, Ont.

GEneral 9-2851

ELgin 2-9313

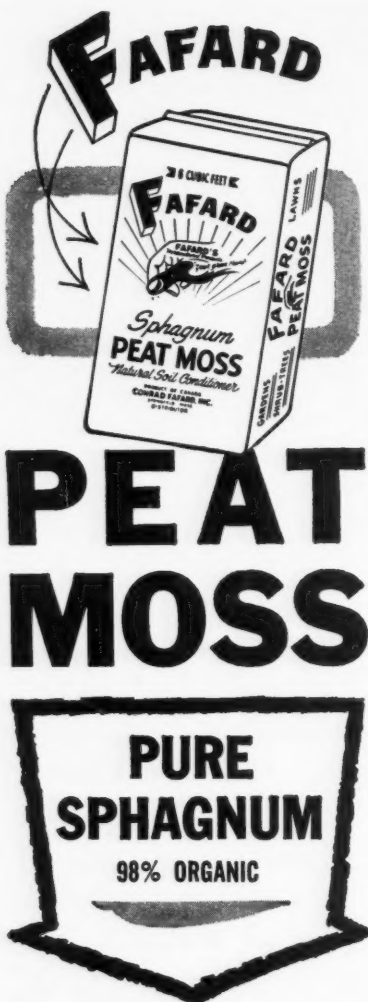
by one of the duchesses. It also featured a star of yellow roses in front of which sat the duchess of Texas. White roses edged this float, which was called "Star Chariot."

Coronation Pageant

Premiered Thursday night, October 13, and repeat the following night, the coronation pageant was the formal crowning ceremony of the rose queen, Carol Dean, and the introduction of the princesses, ladies

in waiting, duchesses and their escorts.

The theme of this year's pageant was "A Beaux Arts Ball." The stage of the Municipal Auditorium was transformed into a lavish baroque ballroom done entirely in black and white. The walls of the auditorium were covered with stripes of black and white from floor to wainscoting, with multicolored paper at the top to resemble confetti. The entire foyer and lounge were decorated with



*From the great Fafard
Bogs in Canada.*

*Handsomely Packaged
with Polyethylene Coating.*

*1 peck bags to 7 cu. ft. bales.
Also German peat moss in
7.5 cu. ft. bales.*

PEAT HUMUS

Priced to produce traffic.
Plastic-lined bags 2½ lb. to
100 lb. as well as in bulk.

CONRAD FAFARD, INC.
P.O. Box 774, LOcust 7-3316
Springfield, Mass.

black trees blooming with masses of white roses.

The prologue was enacted by a corps of young ballet dancers. The duchesses, young girls representing other Texas cities, other states, Washington, D. C., and London, England, were gowned to represent the arts of music, painting, drama, poetry and prose.

The rose growers' duchess depicted Robert Burns' poem "A Red, Red Rose." Gowned to represent facets of art were the ladies in waiting, who wore jeweled and sequined costumes of gold brocade with floating back panels of China silk in shades from pale pink and yellow to red and orange.

The princesses and the queen's two young attendants wore gold lame gowns. Betty Dean, 8, sister of the queen, was train bearer, and Lelia Kidd, 10, cousin of the queen, was scepter bearer. Their gold costumes were enhanced by sashes of blue velvet and garlands of roses.

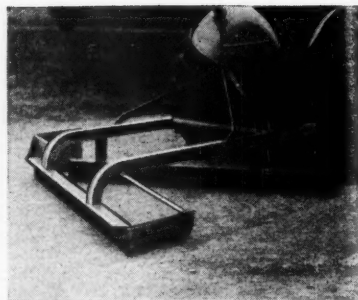
Dr. Curtis Pope, professor of speech and drama, East Texas State College, Commerce, narrated the pageant, and music was furnished by a symphony orchestra conducted by Hyman Charninsky, Dallas. After a second ballet sequence, entertainment was further provided by dancing waters. On the stage, colored fountains of water rose and fell rhythmically 10 to 20 feet to a musical accompaniment. Small motors operated by an electric console played like an organ recirculated the water through jets and sent them to controlled heights in time to the music.

Next, the queen appeared on the balustrade and was crowned by the president of the rose festival, Henry Bell, Jr. Her magnificent gown was of iridescent nylon brocade over a huge hoop, with rose petal accents of silk and a long train of blue velvet and gold lame featuring a design of roses worked in jewels and sequins. Her crown was of six roses set in silver and rhinestones.

After the queen and her court had made deep bows to the audience, the pageant closed with the parade of the court along a ramp built over the front of the stage into the audience section of the auditorium.

Queen's Tea

The largest of the festival's social functions was a tea given Friday afternoon, October 14, in the Tyler Municipal Rose Garden, by Mr. and Mrs. L. A. Dean in honor of their daughter, Carol, queen of the 1960 Texas Rose Festival. It was attended by 2,600 guests. In the re-



CONVERT YOUR TRACTOR into a ROAD AND LAND LEVELER

Money Back Guarantee

Fits any tractor with a 3-point lift. Reduces labor costs. Saves you money. Thousands now in use. Buy it and try it. If you are not completely satisfied, return it for full refund. **ACT NOW!** For further details and prices write

The GLEDHILL

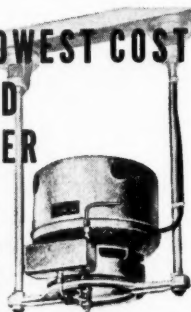


ROAD MACHINERY CO.
GALION, O.

NEW LOWEST COST PACKAGED HUMIDIFIER

FOR GREENHOUSES

Efficient, low cost humidifier with 4-way distribution of humidity vapor. Simple to install — all brackets, fittings and hangers included; simply hang, connect to water and plug in.



Model 42A-4

\$144.00

**Write For Bulletin — Humidity Control
et in And Prices \$26.40**

STANDARD ENGINEERING WORKS
PAWTUCKET, RHODE ISLAND

BUDDING STRIPS

Headquarters for
GOODRICH BUDDING STRIPS
and
RAFFIA

A. A. Westcoast and
X. X. Superior

Can make immediate shipment.

THOMAS MEEHAN & SONS
428 W. Germantown Pike
Plymouth Meeting, Pa.

ceiving line were Mr. and Mrs. Dean; Mrs. Jamie Smith, grandmother of the queen; Henry Bell, Jr., president of the festival, and his wife, and Mrs. Henry Bell, Sr.

Attired in her coronation gown, Queen Carol was seated with her attendants, Betty Dean and Lelia Kidd, under a large white canopy edged with gold. Large garden umbrellas in various colors, with the holders made to resemble rose trees with pink blooms, were placed throughout the garden. Seated under them, to receive with members of their families, were the princesses, ladies in waiting and the rose growers' duchess, Mary Ellen Moore, all wearing their coronation pageant costumes.

Trees made of Pink Parfait roses decorated the receiving area. The large glass-topped tea tables, arranged in a cloverleaf, held massive arrangements of Pink Parfait roses in antique silver tureens, and other appointments were also of silver. Past festival queens alternated in serving at one table. Several nurserymen's wives were among those serving at another table and included Mesdames Ray Breedlove, Clark Kidd and L. B. Dean, all of Tyler; Mrs. L. J. Hilscher and Mrs. J. B. Baker, Fort Worth, Tex.; Mrs. Jack Hanley, Carbondale, Ill.; Mrs. Vincent K. Bailey, St. Paul, Minn., and Mrs. Noel Roach, Arp, Tex.

On a smaller table was a large doll, dressed as a former queen, holding rose leis that were distributed to the out-of-town duchesses. Serving on the committee in charge of the tea was a rose nurseryman's wife, Mrs. E. F. Tedder.

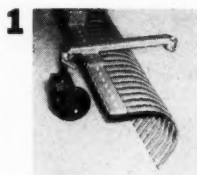
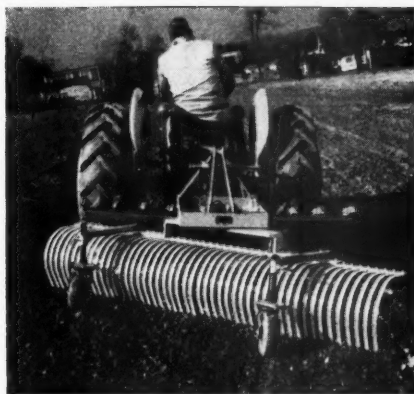
A bower of smilax supported by caryatic figures formed the stage on which the rose queen and her court were presented at the coronation ball held in the queen's honor Friday night, October 14, at the American Legion Hall by members of the Order of the Rose, with attendance by invitation only. About 1,000 persons attended.

The ballroom was transformed into a Roman garden. Walls were draped in glistening cellophane fringe 12 feet long. The ceiling was swagged in yellow-orange taffeta, and suspended from it at different levels were 36 rose chandeliers, each 50 inches across, ornamented with garlands of roses, sequins and twinkling lights. The entrance was a bower of greenery interspersed with large roses, more garlands of sequins and twinkling lights. Statues flanked the entrance inside and outdoors.

Tables for the queen and her court were covered with green taffeta

5 REASONS WHY

this **NEW MODEL**
RE YORK RAKE
grades and
landscapes
better, easier,
faster



NEW
FRONT-OR-REAR
CASTER WHEEL
MOUNTING:

Wheels can be mounted ahead of rake teeth for surface free from wheel marks . . . or behind for faster working of rough terrain.



TOUGH TEETH!

York Rake teeth are tops in toughness. They are made of heat-treated alloy steel . . . tested to stand far more strain than they'll ever see in actual use. That's why they eat up big soil-working jobs in a hurry. "York-quality" teeth are made only by York and used only in York Rakes.

2 NEW CASTER WHEEL ADJUSTMENT: No tools necessary to change caster wheel positions or make vertical adjustments. Shafts marked at 1/2-in. spacing for quick, accurate vertical alignment.

3 NEW LONGER-WEARING SCARIFIER TEETH: Reversible and replaceable heat-treated alloy steel points . . . give double wear.

4 NEW BLADE LIFT ASSEMBLY: Grader Blade is raised and lowered by Scarifier crank and cable.

5 NEW 3-POINT HITCH FRAME: Permits all York attachments to be carried permanently on rake.

DON'T DELAY . . . ORDER A
NEW MODEL RE RAKE FOR 1960

Your dealer will be glad to arrange a trial. For complete specifications, prices and nearest dealer's name, write Dept. AN-1120.



MODERN
CORPORATION
UNADILLA, N. Y.

ONE Application of Ringwood **RABBIT REPELLENT** **PROTECTS TREES AND SHRUBS** **FROM RABBITS — ALL WINTER!**

ONLY RABBIT REPELLENT IN SPRAY-ON AEROSOL CAN! So effective just one application completely protects deciduous trees and shrubs during the entire dormant period when they're most subject to rabbit attack—CONTINUES protecting them through spring and summer. Rain and snow CAN'T wash it off. Developed and **PROVED BEST** by U. S. fish and wildlife service. **Unconditionally guaranteed!**

5-oz. aerosol can, \$1.25; 12-oz. aerosol can, \$2.50. Also sold in pints, quarts and gallons for nurseries, etc.

STANDARD DISCOUNTS—For full information and **FREE** **SAMPLE** write:

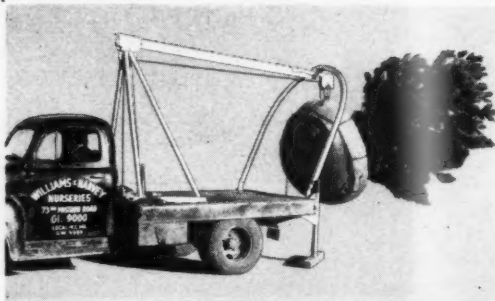
MEDICAL SERVICE CORP.

130 N. Campbell Ave.

Chicago 12, Ill.



BIG-TREE MOVER



Proved by use!

Leading nurseries, tree surgeons and park departments in all parts of the U. S. are using this new, improved mover. See it! Write us for addresses of users near you.

- New Lighter Weight
- Simpler to Operate
- Two Sizes, 6 Ft. and 7 Ft.
- Quickly Demountable
- Fits Any Standard Truck

Specifications, details and pictures free. Drop us a card.

Six-foot mover (as pictured) complete with power winch and all needed pickup parts, \$1,675.00 F.O.B. Kansas City, Mo.



WILLIAMS & HARVEY NURSERIES

Mail address: P. O. Box 8822, KANSAS CITY, MO.
Nursery location: 7313 Mission Rd., Phone: ENDicott 2-8000

NAMSCO PEATS =

FINELY GRANULATED
HIGHLY ABSORBENT
TOP-QUALITY
CANADIAN AND
EUROPEAN

PEAT MOSS



SALES REPEATS

Prompt Shipments
"Hollandia" Burlap
SQUARES
REED MATS
for Coldframes

Write for Prices
State Requirements
NEW AMSTERDAM IMPORT CO.
120 Grand St., White Plains, N. Y.

GROW BETTER PLANTS! USE

THE PETERS SYSTEM OF SOIL FERTILITY CONTROL

SEE OUR CLASSIFIED AD IN THIS ISSUE

IT COSTS NO MORE
(and in most instances less)
FOR OUR PACKING OF
**Nursery Burlap
Squares and Rolls**

Write for prices and samples

L. ATKIN'S SONS
P. O. Box 167 Rochester, N. Y.

CHRISTMAS TREES

Quality Cut Scotch and
Austrian Pine
Balled Norway Spruce

Write to:

KYLE'S GARDEN & FLORAL CENTER
1340 W. Jackson St.
Painesville, O.

cloths trimmed in gold and decorated with mounds of roses surrounding stem candleholders filled with numerous candles in tones of amber and citron.

First the duchesses and their escorts were presented. Each girl was attired in a pastel ball gown and carried her nosegay of roses. Following the introduction of each princess and lady in waiting and her escort, each of the girls, dressed in bouffant white gowns, was presented with a sheaf bouquet of red roses.

Climax of the ceremony was the presentation of the queen. Her gown was fashioned of white silk Pakistan over multiple yards of illusion net sprinkled with rhinestones and appliqued with duchesse lace. A train was held at the center back waistline with a large white rose. She was presented with a large bouquet of her chosen rose, Pink Parfait, by the president of the Order of the Rose, W. A. Pounds, Jr. Music was presented by Ted Weems' orchestra, and the floor show featured Caroline Richter, comedienne and singer.

After the ball, breakfast was served in an adjoining hall where the walls were draped in white silk. The ceiling was covered by four inverted-dome canopies of orange and white silk panels. Large roses of yellow and orange shades, greenery, statuary, sequined garlands and twinkling lights completed the decor. The buffet tables were covered with orange and green taffeta cloths and appointed with tall yellow rose trees with multiple candles among the roses. Guests' tables were also covered with orange and green cloths.

The more informal queen's ball was the final social activity, Saturday night, in the same setting as the coronation ball.

Ladies' Luncheon

"It is not necessary to grow roses in one's garden to be a lover of roses or a rosarian" was the theme of a talk by Mrs. Nat Schoen, president of the American Rose Society, before the ladies attending the festive luncheon in the Woman's building, Friday noon, October 14. Other ways are to use roses in flower arrangements and study about roses in literature, poetry and history, as well as in cooking and medicine.

"Too often, we make rose growing sound so technical and difficult that neophyte rose growers are discouraged. What we need," she said, "are more persons who just love roses and want to grow them for the pleasure of seeing them in their gardens, even if their blooms never will be judged the best in the show." A

Large or Small • Better Lawns • Lower Cost

LAWNMAKER Model 67, 2 roller combination fertilizer spreader and seeder.

1. Extra large capacity hoppers.
2. Stainless steel to prevent corrosion and eliminate constant cleaning.
3. Trailer available to unload and load with tractor 3 point hitch.



HOME OF LAWNMAKER

A self-propelled highly maneuverable lawn machine that fertilizes, prepares a fine seed-bed, sows the seed, rakes in the seed and leaves the perfect finish for a beautiful lawn.

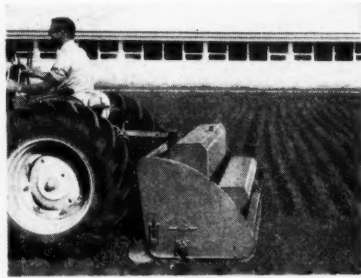
**SEEDS ALL PLANTED AT UNIFORM DEPTH
NO FOOTPRINTS OR WHEEL MARKS**

Write Today for Detailed
Information and Price List.

Lawnmaker

BRETRAGER MANUFACTURING

5410 East St., Saginaw, Michigan
Telephone PL 2-3115



lavish mass arrangement of Floradora roses in a silver bowl was featured on the grand piano on the stage behind the speaker.

Downstairs, where the luncheon was served, the speakers' table was appointed with large dolls dressed in ladies-in-waiting costumes, sago palms sprayed gold and Pink Parfait roses. The guest tables were centered with gold-sprayed goblets holding Pink Parfait roses and small gold-sprayed palmettos. Favors were tiny gold fans trimmed with miniature pink roses.

Men's Luncheon

Better Times roses were featured in the lavish decorations for the men's festival luncheon Friday, October 14, in the ballroom of the Carlton hotel. A capacity crowd of nearly 500 men heard a talk by Paul Harvey, radio news commentator, whose text concerned the trend toward socialistic thinking in the world today and its encroachment on the way of life of the average American.

Behind the rostrum were two columns covered with gold paper on which were laddered gold lavaboes of Better Times roses. Long swags made of the same red roses and their foliage were draped along the wall. The head table was covered with gold foil draped to the floor.

In front of the podium was a fan-shaped arrangement of Better Times roses, and placed at intervals across the speaker's table were eight similar smaller arrangements in gold containers. Down the centers of the long guest tables were strips of gold foil on which were placed small

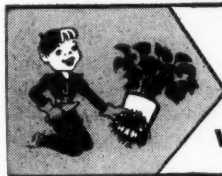
English Type RAIL and HURDLE FENCE



2, 3, 4 or 5 Rail.
Can be painted or allowed
to age naturally without cost
for upkeep. SCREEN TYPE
PICKET FENCE shown in
alternate issue.

**PROFITS For Nurserymen!
YOU SELL FENCE
We Carry Inventory**
ALL TYPES—From large Estates to
Small Homesites.
FOR LONG LIFE—Entire Fence—
(both posts and rails) treated with
nationally known—
PENTA PRESERVATIVE

WOOD PRODUCTS CO., Toledo, Ohio



JACK POT

**THE QUALITY
PEAT POTS**

Willis-Reynolds Corp., Lebanon 3, Ind.

green glass vases each holding about eight Better Times roses.

A gala free fiesta night vaudeville show was presented in Rose Stadium Saturday night from 7 to 10 p. m., under the auspices of the Order of the Rose. A capacity audience of 8,000 persons filled the west stands to hear the music of Ted Weems' orchestra and to see Barbara Autry, world champion rope artist; Caroline Richter, comedienne and vocalist, and Bruce Sidlinger, trampolinist.

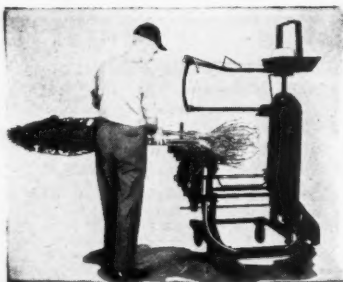
The 23rd annual Texas Rose Festival

came to a close Sunday evening with a rose vesper service in Wise Auditorium, Tyler junior college. Dr. Willis Tate, president of Southern Methodist University, Dallas, spoke on "Freedom's Holy Light," and the service was conducted by ministers of several different faiths under the auspices of the Tyler Ministerial Alliance.

BORN to Rod Anderson, Anna Nursery, Anna, Ill., and his wife on October 23 was a girl, Carol Marie.

SAXMAYER NURSERY STOCK BUNDLERS

SPEEDY - SAFE - RUGGED



MODEL SRN

Uses jute or sisal twine to tie bundles automatically, up to 10 1/2 ins. in diameter. Will tie in any sequence with one wrap and with a nonslip bow knot.

ALSO - MODEL EM

A light, speedy bench model using cotton twine for bundles up to 4 1/2 ins. in diameter.

Our liberal trial period and guarantee insure you complete satisfaction.

LITERATURE ON REQUEST

NATIONAL BUNDLE TYER CO.

Dept. A
BLISSFIELD, MICH.

RAPID-GRO Makes More Money For You 2 WAYS!



1. Use it!
2. Sell it!

STOCK UP ON
RAPID-GRO NOW
RAPID-GRO CORP.
Dansville, N. Y.

The Pioneer In Foliar Feeding

TRADING BRISK AT FLORIDA SHOW

The Florida Nurserymen and Growers Association held its ninth annual trade show Saturday and Sunday, October 15 and 16, at Winter Haven. The Haven hotel served as the trade meet headquarters. The Nora Mayo building was originally scheduled as the site for all booths and displays; however, one week prior to the show, the use of the building was withdrawn due to a conflict of interests.

Ed Brown, Goochland Nurseries, Pembroke, chairman of the trade show; Ed Schultz, cochairman, and the Lake Region chapter of the F. N. G. A. did a tremendous job of reorganizing the entire show and setting up in the Haven hotel and grounds. Allied industry booths were located in the hotel lobby. A circle of Saran shade houses was constructed on the hotel grounds for the nursery stock display area. The center of this area was used for displaying large and heavy equipment that could not be shown in the hotel lobby. More than 380 persons registered.

The purpose of the trade show was to sell or trade surplus stock and to restock short items. Trading and selling moved at a satisfactory pace both Saturday and Sunday. The members enjoyed a poolside party given Saturday afternoon by the hotel, as well as the luau banquet and informal dance that were held later during the show.

F. W.

WESTERN PROPAGATORS

[Continued from page 8]

maintaining his own membership in the society.

The symposium on machine grafting was presented Friday evening, moderated by Dr. Lloyd Lider, University of California at Davis. A summary of the points brought out in this session will be presented in a later issue of the American Nurseryman.

Seed Propagation

The second symposium was on seed propagation, moderated by Dr. Vernon Stoutemyer, department of floriculture and ornamental horticulture, University of California at Los Angeles. The first speaker, Dr. Dale C. Kester, spoke on "Dormancy in Seeds in Relation to Nursery Practices." He declared that seeds may fail to germinate for three main reasons. The seeds may be nonviable, they may be subjected to improper environmental conditions or they may have certain internal prop-

BRODLEAF

Imported Holland
PEAT MOSS



Roots screened out

You get the
best part — the Peat Flakes!

OUTDOOR BAMBOO
BLACK AND CLEAR
POLYETHYLENE

HOLLAND BURLAP
SQUARES - 4 Grades

- Bostkoop
- Standard
- ROT-NOT
- VIKING WRAPS

HALF

MOON

MFG. & TRADING CO.

90 West St., New York 6, N. Y.

Address all correspondence to:

Box 27, Plainfield, N. J. PL 5-8228

NOW—USE

featherock BOULDERS

FOR LANDSCAPING

NATURAL LAVA STONE

- 1/7 THE WEIGHT OF
REGULAR BOULDERS
- SAVES LABOR COSTS
- GLAMORIZES PLANTINGS

Del Stone Co.

CRANFORD, N. J.
BRIDGE 6-6800

DEAL, N. J.
KELLOGG 1-3802

WOOD



**FINEST QUALITY - PROMPT SERVICE
LABELS PRINTED TO ORDER**

Write for samples, prices and discounts.

THE BENJAMIN CHASE CO.
DERRY VILLAGE, N. H.

CUT WATER COSTS IN YOUR GREENHOUSE

Enjoy efficient, dependable, lowest-cost misting. Convert to

HUMIDOMIST

System For
I-N-T-E-R-M-I-T-T-E-N-T
MISTING

Circular #577A describes installation.
SUPREME ELECTRIC PRODUCTS CO.
194 Vassar St. Rochester 7, N. Y.

erties which prevent germination. Dormancy in seeds has been used principally in reference to these internal factors.

He classified seeds in relation to causes of dormancy as (1) those with hard or impermeable seed coats, (2) those with a dormant embryo requiring chilling, (3) those with an impermeable seed covering plus a dormant embryo, (4) those with inhibiting substances in the seed or seed covering and (5) those dormant when freshly harvested but becoming germinable with dry storage.

He then discussed various factors involved in stratification, such as moisture, aeration, proper temperature and a certain period of time. Temperature control during stratification is of paramount importance for stratification. Low temperatures, from slightly below freezing up to slightly over 60 degrees, are necessary for stratification; higher temperatures produce secondary dormancy.

Rose Seed Stratification

Dennison Morey, Jackson & Perkins Co., Pleasanton, Calif., discussed stratification, particularly in relation to rose seeds. He defined stratification as any treatment which produces faster, more uniform germination, not limiting it to a cold pretreatment. He pointed out that basic research is not the sole method of obtaining understanding of plant problems and processes; much vital information can come from the practical propagator's efforts to work out solutions of problems. Seeds of some rose species respond to rather high temperatures as a pregermination treatment; in others, a warm stratification followed by cold stratification is desirable.

Walnut Seed Handling

William Stuke described his procedures for handling walnut seeds to provide Paradox hybrid rootstocks for English walnuts. The Paradox hybrid is a natural cross between the English walnut and the northern California black walnut, the seeds being collected from natural stands of black walnut.

Careful seed-handling processes are particularly important to produce good germination. The seeds are expensive, and payment is made for seeds on the basis of percentage of hybrid seedlings produced.

Another reason for proper seed handling is the necessity for controlling nematodes, crown gall and other organisms. A careful program of fumigation is practiced, the seeds are dipped in hot water, stratification is carried out in redwood beds

NEW CATALOG — WRITE TODAY!

250
pages
of
**SUPPLY
ITEMS**



For
Flower
Shops

For
Green-
houses

For
Nurseries

For
Garden
Centers

You'll find it valuable.

C. C. POLLWORTH CO.

Milwaukee, Wis.

USE **NURSERICANS** FOR ADDED PROFIT.

NOW AVAILABLE
IN 6 SIZES
1 GALLON* THROUGH
6 GALLONS*

*Trade Designations

THE *Lerio* CORP. Mobile, Ala.
P. O. Box 1050
Valdosta, Ga.
P. O. Box 567



Because you can't depend
on rain... depend on
WADE RAIN
SPRINKLER IRRIGATION
MUELLERMIST IRRIGATION
SUPPLY CO.
P. O. Box 471, Maywood, Ill.

BURLAP
NEW YORKER BAG & BURLAP CO.
651 Marshall St.
Elizabeth, N. J.

BALED SHINGLE TOW
(CEDAR SHAVINGS)
WM. A. JOHNSTON
1522 N. W. Thurman St. PORTLAND 9, ORE.

Utility Tubs • Redwood Tubs
Bamboo Canes
Plants • Seeds • Bulbs
Hy-Lo Heaters

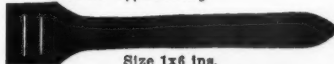
General Greenhouse Supplies

Eastern Distributor
AL SAFFER & CO., INC.
130 W. 28th St., New York 1, N. Y.

ALEC HENDERSON, INC.
1313 W. RANDOLPH STREET
CHICAGO 7, ILL.

NURSERY TAGS "Weather Resistant"

- Made of Water-resistant Tough Tag Board
- All White, Easily Marked
- 8 Colors
- 9 Sizes and Styles
- Sheets for Typewriting



Size 1x6 ins.
Prices per 1000—White Tag Stock
1000 to 4000...\$1.50 20,000...\$1.05
5000 to 9000...1.30 50,000... .85
10,000... 1.15 100,000... .80
Write Today for Prices and Samples
PREMIER SOUTHERN TICKET CO., INC.
1621 Dana Ave. CINCINNATI 7, O.

USE THE BEST **STERLING PEAT**

According to state tests, Sterling peat compares favorably with the best on the market. Available in 25-lb. bags, 60-lb. bags and 100-lb. bags. Also in bulk.

CHRISTIAN KRISTOFF
Sterling Junction, Mass. Phone: GARfield 2-6698

*Imported***JET ROD
FLAME GUN**

- Sterilizes seed flat soil.
- Burns weeds in walks.
- Thaws frozen pipes.
- Melts ice and snow.
- Many other uses—burns kerosene.



Proved in England where it is made.
Saves time and energy.

POSTAGE PREPAID FOR CASH
WITH ORDER
ONLY \$29.50

For Full Details
Write:

E. C. GEIGER
P. O. Box 270
North Wales, Pa.

You Can Learn LANDSCAPING

Increase your earnings! Develop a hobby!

Now you can learn landscaping in 8 to 12 months with this thorough, easy-to-follow method! American Landscape School can teach you the newest, most modern landscape methods and trends... right in your own home! You'll study contemporary landscape and garden design, drafting, mapping and field work. You'll improve your knowledge of horticulture, construction, superintendence, salesmanship, office practices. 45 illustrated lessons, 9 valuable textbooks. Successful graduates throughout the world. 44th year.

FREE to all students:

- Dictionary
- Consultation service
- Monthly letter
- 50 imprinted business cards
- Drafting set free with advance full payment



Mail coupon for complete information.

AMERICAN LANDSCAPE SCHOOL

Accredited by National Home Study Council (Charter member)

Dept. 2110-B, 4040 42nd St., Des Moines 10, Ia.
Please tell me how modern landscaping methods can increase my income.

Name

Address

City..... State.....

and identity of each seed lot is carefully maintained throughout the process.

"Mulch Bed" System

Hugh Steavenson described his so-called mulch bed system of seedling production. He had found this necessary in his operation because the soil tended to crust. Although sand was of some advantage, the most useful material was a stringy sawdust mulch.

No toxicity has been produced with any species grown, but nitrogen deficiency is a problem. Raised seedbeds improve drainage and aeration. Seeds are either fall planted or stratified and planted early in spring. Late spring planting is conducive to damping-off, and high temperatures may induce secondary dormancy.

He cited that there is a problem of getting good seeds. This problem was particularly critical when foreign sources were involved, because it was difficult to obtain the seeds early enough in the year to handle them. For this reason, hedgerow seed sources are being developed.

Gerd Schneider told procedures for growing seedling rootstocks for clonal selections of liquidambar, *Pistacia chinensis*, *Ginkgo biloba*, *Magnolia grandiflora* and *Quercus ilex*. In all cases he emphasized the importance of proper seed source in order to reduce the variability in size and vigor of seedlings.

In *Liquidambar styraciflua* he has noted that seeds from his sources produce stock with a narrow range of variability, but this characteristic is due to the use of single tree sources. Seeds are collected in early November and placed on trays to open. Good seeds are dried and stored until March, when they are stratified for 60 days at 40 degrees Fahrenheit. Seeds planted in March produce a seedling large enough to bud in 14 to 16 months.

Since *Pistacia chinensis* is an alternate bearer, it is necessary to choose two sources of seed trees for different years. Seeds are either red or blue green. Those with a blue-green pulp are the good seeds, whereas those with red pulp are poor.

Ginkgo biloba has a narrow range of variability in the seedlings, so that uniformity can be obtained easily. When collected, the seeds contain an undeveloped embryo. Seed handling involves a warm stratification period for several months followed by a cold stratification period to afterripen the embryo.

Magnolia grandiflora has a wide range of variability. Thus, selection of seed tree is highly important. The

CIRCLE X BRAND



MISTLETOE

12 years' experience specializing in select cutting and overnight airfreight service. We ship the same day we cut by chartering our carrier to Dallas air terminal. Experienced packers select only the well-berried pieces you prefer, packed and shipped in 5, 10 and 15-lb. cartons.

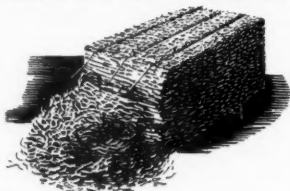
Schuster Circle X Ranch

Comanche, Texas
Phone: YUkon 5-2595

Supplying Wholesalers Only
MISTLETOE and FALL DRIED MATERIALS

Wood Feathers

SCREENED
BALED RED CEDAR SHAVINGS



The Perfect Nursery Packing

Manufactured by

WOOD FEATHERS, INC.

P. O. Box 112 North Portland, Ore.
Check Our Low Delivered Prices



TINA, the brand recommended by the German Nurserymen's Association.

Request our illustrated catalog.



HERMANN A. WIRTH
Levittown, N. Y.

proper time to collect magnolia seeds is in early October. The earliest ripening seeds are usually poor, those about a month later are good. The pulp should be removed immediately and the seeds stratified for 60 days. Seeds planted in early March will produce seedlings for budding in 17 months.

Quercus ilex seeds ripen in late October and are planted immediately in a deep box of sand, the bottom of which is covered with a copper screen. Germination begins quickly. When the tip of the taproot touches the bottom screen, the toxicity of the copper inhibits the extension of the taproot and induces growth of the side roots. Better root systems are produced in the seedlings as a result.

Pistacia Propagation

Propagation techniques for certain plants were discussed at a symposium Saturday afternoon. The moderator, Prof. Louis LeValley, Fresno State College, Fresno, Calif., first introduced Lloyd Joley, United States Department of Agriculture plant introduction station, Chico, Calif. Mr. Joley spoke on propagation of the genus pistacia.

As many as eight different kinds of pistacia are growing at the Chico station, including P. atlantica, P. chinensis, P. intergerrima and P. vera. These plantings were established over 30 years ago, primarily to determine their value as understocks for Pistacia vera, the tree from which the pistachio nut is harvested.

Many of these pistacias are now being recognized for their usefulness as trees in the urban landscape — along streets, in parks and around homes. Pistacia chinensis seems especially well adapted for that use, because of its uniform shape and medium size and also because its pinnately compound leaves turn a brilliant orange red in the fall, just before dropping. He has seen this tree growing satisfactorily as far north as Washington, D. C., and so he believes it could be used effectively throughout much of the southern part of the United States.

Male Trees for Landscaping

Mr. Joley reminded the propagators that plants within the genus pistacia are dioecious. Because of the heavy yield of pea-size fruits on the female trees, homeowners and municipalities prefer to plant the male tree. Therefore asexual propagation is recommended. Literature on the vegetative propagation of pistacia, however, is sketchy.

Mr. Joley has experienced unsat-

THE MODEL
W-W 4-EV

* GRINDS
* SHREDS
* LOADS

and detaches
for
separate use!

IS THE **1** MACHINE
THAT HANDLES **3** JOBS!





Shredder-Grinder used separately for efficient and fast processing.



Detachable elevator loads to dump truck height. 12-inch acid-resistant conveyor belt.

Versatility plus for the nurseryman who demands top-capacity performance. The W-W 4-EV grinds, shreds, pulverizes, mixes, and loads. Independently powered, the Shredder-Grinder and elevator can operate separately. Amazing "digestive" versatility is due to interchangeable shredding rollers and grinding screen. The W-W takes stalks, prunings, garbage, bones, phosphate rocks for composting. Shreds, grinds, screens, or mixes soil, compost, peat moss, hard manure. Priced at only \$782.40. Portable models available starting at \$96 (less power). Prices FOB Wichita. Liberal terms. Write for descriptive literature. One-year guarantee on materials and workmanship.

C-560

SINCE 1910 **W-W GRINDER CORP.**
2957-F N. Market Wichita 19, Kansas

The Original SWISS ROTARY TILLERS

3 New Models

THE HACKNEY — 2 speeds and reverse — 5 H.P., 15-in. width cut.

THE MORGAN — 3 speeds and reverse — 5 H.P., 20-in. width cut.

THE CLYDESDALE — 10 H.P. — 4 speeds and reverse, 30-in. cut.

Repair Parts for All Models

E. C. GEIGER CO.

P. O. Box 270
North Wales, Pa.
U. S. A. Distributor



Watch the **RABBITS RUN AWAY** from **YOUR YOUNG FRUIT TREES!**

New **MAGIC CIRCLE Rabbit Repellent**

PROTECTS valuable plantings!
CHASES rabbits FAST!

EFFECTIVE! One spraying can chase rabbits for several months.
ECONOMICAL! One gallon of concentrate makes ten gallons of spray.
SAFE! Will not harm sensitive plants.
SIMPLE! Easy to mix, easy to use.
FRIENDLY! Chases rabbits without harming them.

It's NEW from the creators of famous Magic Circle Deer Repellent. **BUY NOW!** Locally or write direct to the manufacturers for complete information.
STATE COLLEGE LABORATORIES,
Dept. A-1, P.O. 492, State College, Pa.

GRO-BEST Formula G-73

16-40-17 INSTANT PLANT FOOD

Less Likely to Burn

Suggested retail, 2 lbs. for \$1.89.

HOFF CHEMICAL CORP., Flat Rock, Mich.

BURLAP

Paper Wraps • Shade Cloths • Poly Tarps • Saran • Nalls • Twines
SEAMAN BAG CO.
2512 S. Damen Ave. Chicago 8, Ill.

FLORISTS' TEXTILES PLASTICS

X. S. SMITH, INC.

Box 272 Red Bank, N. J.

PAPER—PLASTIC—WOOD TAGS and LABELS

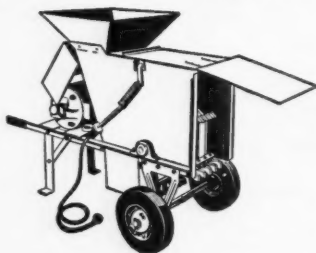
Send for our latest catalog.

IMPERIAL TAG & PRINTING CO.

312 Straight Ave., S. W.
Grand Rapids 2, Mich.

BETTER SOIL PREPARATION FOR LESS WITH KEMP

The KEMP outstanding service record is well-known among professional growers and has been for two thirds of a century. Features pioneered by KEMP are today accepted as standard. A KEMP has fewer parts to wear and get out of adjustment like the feature of all shredding teeth being stationary. This has proved one of the big features that keep the KEMP on the job instead of in the repair shop. The KEMP improved principle of soil shredding (not grinding) aerates and retains the moisture and nutrients for better yield.



PRICES START UNDER \$100.00

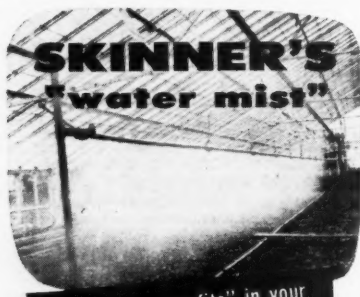
KEMP capacities range from 2 to 40 cubic yards per hour. Learn more about the complete KEMP line. New illustrated, informative catalog now ready—send for your copy today.

NEW ALL-PURPOSE MODEL

KEMP Model 6-0 soil and compost shredder is widely accepted as an aid in shredding old discarded stalks, vines and plants for the compost pile. The KEMP 6-0 shreds soil perfectly for both bench and potting in addition to accelerating the decomposition of materials for composting.

KEMP SINCE 1890
MFG. COMPANY

"First In Soil and Compost Shredders"
Dept. 18, 1027 E. 20th St. Erie, Pa.



Puts "extra profits" in your
greenhouse operation!

Skinner overhead greenhouse irrigation produces a fine, uniformly distributed mist of water that deeply penetrates into the root zone—gives you efficient, effective watering at lowest possible cost. Is also used for humidification.

Skinner engineers, backed by over a half century of irrigation experience, will be glad to plan for you—without obligation—a system based on your particular needs.

free

bulletin describes Skinner equipment and services. Write TODAY!

**SKINNER
SYSTEM
OF IRRIGATION**

The SKINNER IRRIGATION CO.
250 Water Street, Troy, Ohio

... for over a half century

isfactory results with propagating pistacia from hardwood cuttings. Budding, on the other hand, has been fairly successful, particularly if done just prior to hardening of the budwood. He recommended that budwood be produced by stubbing off a limb of an old tree and using the sucker shoots that grow out from it.

Mr. Joley then described some of the important things that should be considered regarding the collection and storage of seeds of pistacia. He stated, also, that pistacia roots are intolerant of exposure to air, and for that reason growing pistacia in containers is considered the most reliable method of producing salable trees.

Budding *Pistacia chinensis* was then discussed by Dwight Long, park department, Modesto, Calif. The budding method he uses achieves better than 90 per cent take. He stated that he has had equal success with both spring and fall budding and regardless of where the bud is placed on the stock.

Increasing Caliper Size

Mr. Long noted that the first-year growth of a budded pistacia is characteristically five to six feet, with a caliper of no more than lead-pencil diameter. Pistacia, he said, increases in caliper slowly after the first growing season and so it is important that this usual growth be modified in such a way as to encourage the development of a strong trunk that has a good taper. He explained the novel method by which he achieves this caliper increase during the first year of growth. This practice has resulted in shortening the time in which the trees need to be staked after they are planted in the landscape.

Slides were then shown to illustrate how he starts pistacia liners in bottomless 1-gallon containers set upon soil-filled 5-gallon containers. In this way, the trees develop a much deeper root system, and the roots are oriented downward. As a result, the roots from these trees seldom damage curbs or sidewalks when planted along city streets.

Mr. Long stated that he is continually selecting and evaluating cultivars of pistacia that seem to have superior qualities. He advised plantmen to consider more than just uniqueness of foliage when looking for superior trees in a seedling population. More selection must be made on the basis of a tree's adaptability to different environmental conditions. To determine such superiority, it is often necessary to

LARGE TREE MOVING COMMERCIAL LAWN BUILDING

15-in. cal. Trees Easily Handled
In Quantity

We will furnish necessary supervision, operators and machines or labor as required to cooperate with the facilities available. We will move your trees or furnish them.

Any Project in U.S.A. Considered

References Furnished Upon Request

WILLIAM REINHOLD

Landscape Contractors-Engineers

23206 Telegraph Rd.
Flat Rock, Mich.

Phone: Trenton, ORleans 6-1351

40 Years' Experience

Trained Crews —
\$200,000 Equipment

PROTECT YOUR CROPS

MAGIC CIRCLE
COLLEGE BRAND
DEER REPELLENT

SPRAY
Low-Cost
Magic Circle
Repellent

CREATES BARRICADE AGAINST DEER

Odor not offensive to humans.

BUY NOW! Locally or order direct from State College Laboratories, State College, Pa.

NEW RABBIT REPELLENT available. Write for information.

PRODUCT OF

STATE COLLEGE LABORATORIES
P. O. Box 492, State College, Pa.

Dutch and Domestic BURLAP

PLAIN and TREATED

Established 1925
IMPORTERS—MANUFACTURERS

Distributors of Bird Pots,
Menne-Pots and Lerio Nurserians

J. SHORE & CO.
Chelsea, Mass.

**A. M. & SON
LEONARD**
PIQUA, OHIO

Knives - Shears - Pruning Tools
Nursery Spades-Grafting Supplies
Write for Catalog

plant a cultivar in many locations within a city and observe its performance for many years.

Tropical Foliage Plants

Robert Weidner, Buena Park Greenhouses, Inc., La Habra, Calif., then spoke about the propagation of some tropical foliage plants. These are readily propagated asexually, but constant effort must be expended to prevent invasion of pathogenic organisms. A propagator of foliage plants, as with growers of other kinds of plants, has an ethical obligation to sell stock that is free of disease.

As a sanitation measure, he recommended a thorough annual scrubbing of the entire interior of propagating houses. Benches should be painted with copper naphthenate every six months. The water hose, he commented, is often the agent by which pathogens are spread throughout a greenhouse. Therefore, he advocates the practice of keeping the free end of the water hose off the ground at all times.

On Sunday morning, Dr. Robert Ticknor, Oregon State College, North Willamette experiment station, Aurora, moderated the symposium that dealt with mist propagation. He reported that the advantages gained by rooting cuttings under mist have also necessitated that they be hardened off properly.

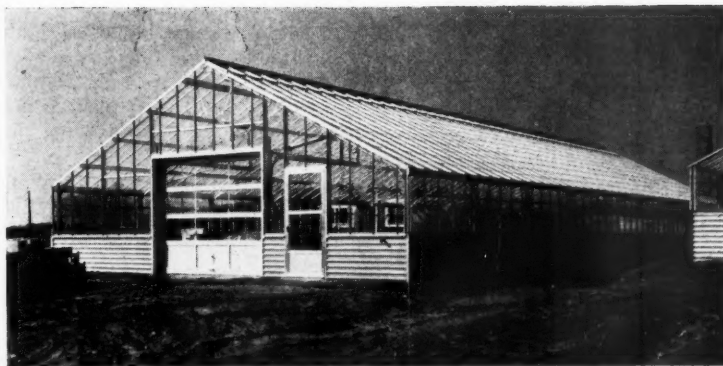
Monrovia Practices Told

Martin Usrey described some of the practices of propagating plants that are in use at the Monrovia Nursery. The temperature of the propagating medium is usually held at 80 degrees F. for all kinds of plants, whereas the air temperature is varied. Air temperature of 90 degrees F. for bugainvillea and Hibiscus rosa-sinensis and 65 to 70 degrees for ilex and mahonia have been found best.

Rooted softwood cuttings are hardened off by holding them for about four weeks under intermittent mist, then under reduced misting for different intervals of time, depending on the kind of plant. Xylosma senticosa, for example, is held two weeks in the glasshouse, followed by two months under double lath. Rooted hardwood cuttings of mahonia are held two weeks in an open-vent glasshouse and then two months under single lath. Conifer cuttings, which are less difficult to harden off, are moved directly from the mist area to beds under single lath, where they are left for two months.

William Curtis cited a clean rooting medium, clean water, bottom heat, rooting hormone and good

BUILD ONCE—WITH ALUMINUM BY NATIONAL



Aluminum, the bright modern metal, has been used by National for the best and most complete line of greenhouses ever designed. ALUMALITE GREENHOUSES by National are a joy to see and are probably more maintenance-free than you can possibly imagine.

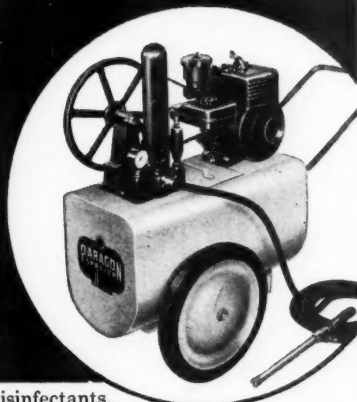
A circular describing the complete line of ALUMALITE GREENHOUSES will be mailed on request without obligation.

NATIONAL GREENHOUSE CO.
402 E. Main
Pana, Ill.

NEW SIZES...NEW FEATURES...

WITH
**paragon
power
sprayers**

15 and 30 Gal.
Mobile Tank Units



- For insecticides, disinfectants, weed killers, whitewash, silicone type water-proofing materials • One-man operation • Piston pump over solution, trouble-free • New streamline design tank • Mechanical agitator, no settling • Low-slung tank prevents upsetting • High velocity mist to 25 ft. stream • 1½ H.P., 4 cycle gasoline engine



Write for complete catalog
of PARAGON Power and Hand Sprayers.

The Campbell-Hausfeld Co.
503-W State St., Harrison, Ohio

CAMPBELL-HAUSFELD



WE STILL CAN FURNISH THESE STRONG, HEALTHY LINERS

	Per 100	Per 1000
Red-Leaved Barberry		
6 to 9 ins., S.....	\$ 5.00	\$ 45.00
9 to 12 ins., S.....	7.50	65.00
Cotinus coggygia (Smoke Tree)		
6 to 9 ins., S.....	10.00	85.00
9 to 12 ins., S.....	15.00	125.00
Washington Hawthorn		
6 to 9 ins., S.....	7.50	65.00
2-yr., 9 to 12 ins., root-pruned.....	15.00	125.00
2-yr., 12 to 18 ins., root-pruned.....	22.50	200.00
Mahonia aquifolium		
1-yr., S.....	6.50	50.00
Myrica pennsylvanica		
2-yr., S.....	10.00	85.00
European Mountain Ash		
1-yr., 6 to 12 ins., S..	7.50	65.00
1-yr., 12 to 18 ins., S..	10.00	85.00
Syringa amurensis japonica		
2-yr., 6 to 12 ins., S..	10.00	85.00
2-yr., 12 to 18 ins., S..	15.00	....
Viburnum carlesi		
1-yr., 4 to 6 ins.....	12.50	100.00
Viburnum dentatum		
1-yr., 6 to 12 ins., S..	7.50	65.00
Viburnum lantana		
2-yr., 6 to 12 ins., S..	10.00	85.00
2-yr., 12 to 18 ins., S..	15.00	125.00
Viburnum lentago		
1-yr., 6 to 12 ins.....	10.00	85.00
Viburnum opulus		
1-yr., 6 to 12 ins.....	10.00	85.00
Viburnum sieboldi		
1-yr., 6 to 12 ins.....	10.00	85.00
2-yr., 12 to 18 ins.....	17.50	150.00
Viburnum tomentosum		
1-yr., 6 to 12 ins.....	10.00	85.00
2-yr., 12 to 18 ins.....	17.50	150.00
Boston Ivy		
1-yr., S.....	6.50	50.00

Per 100 Per 1000
Taxus capitata
 3-yr., S., selected...\$10.00 \$85.00

NEWPORT NURSERY CO.
 Newport, Mich.

sanitation as desirable conditions in mist propagation. He has had satisfactory results with perlite as a rooting medium. Bottom heat of 65 degrees F. has been best for rooting Clematis armandi, but higher temperatures are often best for other kinds of plants.

Hormodin No. 3 has been most satisfactory. Its use has consistently resulted in a greater quantity of roots in a shorter interval of time. Daphne odora, however, is one plant which has rooted just as well when untreated.

Mr. Curtis explained several practices that he uses when propagating certain plants from cuttings. Rhododendron cuttings are wounded on one side of the base of the cutting and they are held under mist from the time they are stuck in August until October. Viburnum burkwoodii is rooted in an open bench and watered only occasionally by hand.

More Mist Data

James S. Wells, Red Bank, N. J., who delivered the conference keynote address, was the final speaker on the mist propagation symposium. He recalled that only since 1946 has mist propagation been practiced in the United States. It replaced the practice of wetting the walls of the propagating houses as a means of controlling water loss from plants.

He cautioned that beyond the point of rooting, certain plants are harmed by continued misting. This susceptible group includes certain kinds of azaleas, prunus, pyracantha and conifers. Therefore it is desirable to maintain misting only until rooting starts and then continue with a high-humidity atmosphere.

Mr. Wells remarked that he had seen no open-air mist propagation on the west coast, and he encouraged more plant propagators to try it, particularly with plants that require a high light intensity. He noted that where the air temperature is 70 degrees F., a minimum of 450 foot-candles of light is required just to maintain cuttings with leaves in good condition. Therefore, he suggested that a maximum quantity of light should be provided cuttings wherever possible. The quantity of light which a cutting will tolerate is considerably greater where mist is used.

When cuttings have rooted, Mr. Wells advised that the light intensity and the misting cycle be reduced so that the plants would harden off better. He cautioned that the application of modern techniques still does not eliminate the need for a skilled plant propagator.

FLAME RETARDANT FLOCK
 for your CHRISTMAS NEEDS
 •EQUIPMENT •ADHESIVES
 •GLITTER •TINSEL
 at the **LOWEST PRICE**
BUY DIRECT from the **MANUFACTURER**
 RAYON COTTON CELLO SURE-STIK
 Complete COLOR SELECTION
 PRICES as LOW as **20¢** Per lb.

Featuring SENSATIONAL
"SURE-STIK"
 With Built-in ADHESIVE. The Nations
 BIGGEST SELLING WATER APPLIED FLOCK
 Phone Dickens 2-6600-Ask for "SHEL"
 Write for **FREE CATALOG**
 and COLOR SELECTOR "P"

ADVANCE PROCESS SUPPLY CO.
 1440 West Kinzie St. Chicago, 22 Illinois

Top-Quality
 Dutch and Domestic
**BURLAP SQUARES
 TWINES
 NURSERICANS**
 Write for our low prices and samples.
HALPERN BROS.
 1626 S. Delaware Ave.
 Philadelphia 48, Pa.

The temperature
 watchdog
STANDARD'S
 G. H. 5
**GREENHOUSE
 TEMPERATURE ALARM**
 Battery-operated, maximum-
 minimum type with lock.
 Made of nonferrous metal.
 Insulated wiring, platinum
 contacts, unbreakable crystal,
 chrome-plated case. Scale 20 to 100 degrees
 F. \$22.50. Write for details. Dept. A-30.
STANDARD THERMOMETER, INC.
 BOSTON 25, MASS.

EARTH SHREDDING EQUIPMENT
Lindig
 Manufacturing Co. Inc.
 1875 WEST COUNTY ROAD C
 ST. PAUL 13, MINNESOTA

Ideal Garden Gadgets...
 Metal label markers with heavy-duty
 steel stakes and aluminum labels.
 Send for folder today.
LANSING SPECIALTIES MFG. CO.
 Dept. A 1120, 910 Clark Rd., Lansing 17, Mich.

Remember, it's **Ryan**
**SOD CUTTERS THAT CUT SOD,
 CULTIVATE, AERIFY AND EDGE**

HONEY LOCUST

An invitation to join the many satisfied users of the popular Shenandoah-grown patented Honey Locust.

We have good quantities of the following varieties available for fall and spring delivery.

Imperial (Plant Patent No. 1605)

Majestic (Plant Patent No. 1534)

Moraine (Plant Patent No. 836)

Shademaster (Plant Patent No. 1515)

Skyline (Plant Patent No. 1619)

Sunburst (Plant Patent No. 1313)

Please consult our latest trade list
for complete information and prices.

Eastern Representative — **Mr. C. P. Van Tol**
Box 156
Southboro, Mass.

Quality Stock
Personal Service
SINCE 1870

Phones 406 and 407

The Shenandoah
Nurseries

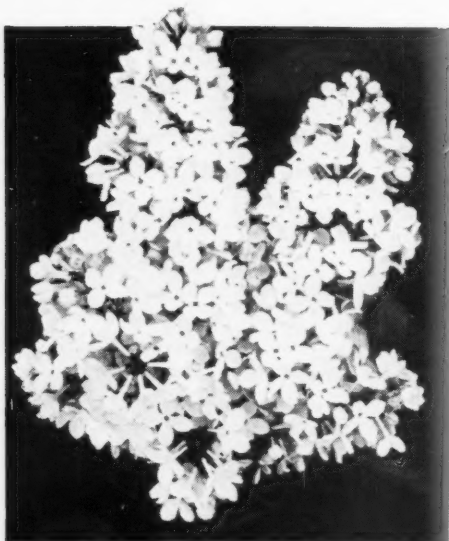
SHENANDOAH, IOWA

FOR FOOLPROOF SPECIMENS

3-YEAR OLD



50,000 "OWN-ROOT" FRENCH LILACS



HILL'S LILACS IN BLOOM



HILL'S LILACS DEFOLIATED
TO SHOW STURDY GROWTH

None of us likes to devote time, space and money to growing of plants that do not finish out uniformly and well. For many years D. Hill has offered the best piece root grafted lilacs that could be grown and yet we were never happy with the product.

Now, we can talk about REAL lilacs . . . OWN ROOT! Produced from cuttings and grown three full years in the field to give you a heavy, well-branched liner for foolproof specimen production. Try these for one crop and be convinced. Our own tests have indicated how much better these OWN-ROOT lilacs will grow along and finish out.

All the varieties below have been chosen for their ability to grow well and bloom handsomely under the widest range of soil and climate conditions.

Ready for shipment straight from our grading tables after November 10. **Order now** to get the best selection of varieties and grades.

BERRYER, double, mauve, early, 24 ins.
CHAS. JOLY, double, bright crimson, 18 ins., 24 ins.
CONGO, single, deep wine-red, 18 ins., 24 ins.
ELLEN WILLMOTT, double, creamy-white, 18 ins., 24 ins.
GENERAL SHERIDAN, double, white, 24 ins., 30 ins.
KATHARINE HAVEMEYER, double, lilac-pink, 18 ins., 24 ins.
LUDWIG SPAETH, single, deep red, 24 ins., 30 ins.
MME. ANTOINE BUCHNER, double, pink, 18 ins., 24 ins.
MME. FLORENT STEPMAN, single, white, 24 ins., 30 ins.
MARECHAL LANNES, double, violet-blue, 18 ins., 24 ins., 30 ins.
PRES. CARNOT, double, pink, 24 ins., 30 ins.
PRES. GREVY, double, soft blue, 24 ins., 30 ins.
PRES. LINCOLN, single, blue, 18 ins., 24 ins.
THUNBERG, double, mauve, late, 18 ins., 24 ins.

Size 18" each .70 SOLD IN MULTIPLES OF 10 ONLY
 Size 24" each .85
 Size 30" each 1.00

SERVING THE
RETAIL
NURSERYMAN
WITH THE BEST
SINCE 1855

D. HILL

NURSERY COMPANY

DUNDEE, ILL.

Phone HAZel 6-345

Largest Evergreen Growers in America